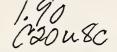
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United States Department of Agriculture

> Economic Research Service

January 1988

## **Outlook '88 Charts**

64th Annual Agricultural Outlook Conference





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64th Annual Agricultural Outlook Conference



World and U.S. Agricultural Outlook

Material in this document was presented at the 64th Annual Agricultural Outlook Conference, December 1-3, 1987, U.S. Department of Agriculture, Washington, D.C.

The black and white reproducible charts and tables included here were originally presented as color slides before the Outlook Conference. This publication does not include all visuals used at the Conference, because not all speakers used slides or provided material for this compilation.

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A full proceedings of the Conference is available for \$15.00 (\$18.00 to foreign addresses) through the World Agricultural Outlook Board, Room 5143-S, USDA, Washington, D.C. 20250.

James R. Donald

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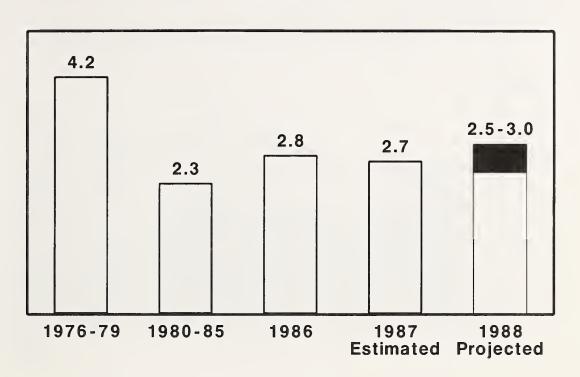
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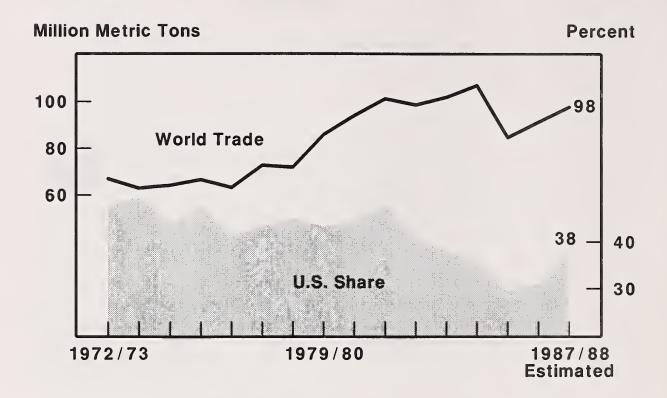
## World Economic Growth Rates Percent



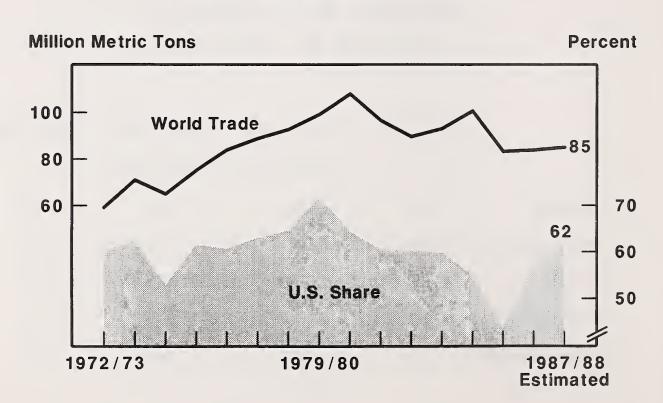
# Exports as a Share of Total U.S. Crop Use

	1970/71	1979/80	1985/86	1987/88	
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Cotton	32	59	23	48	
Soybeans	50	58	53	51	
Rice	53	60	47	51	
Wheat	49	64	47	53	
Feed Grains	12	31	18	22	

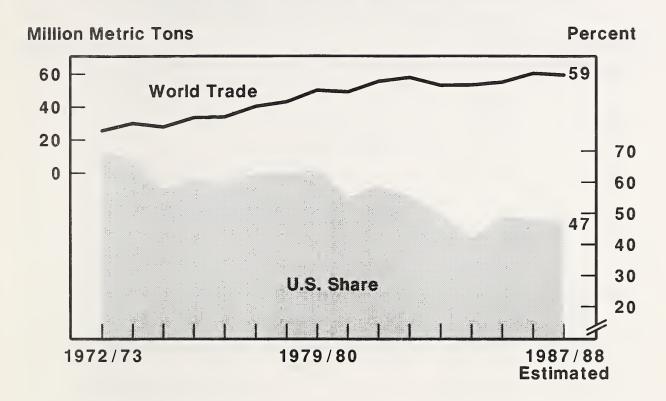
### **World Wheat Trade**



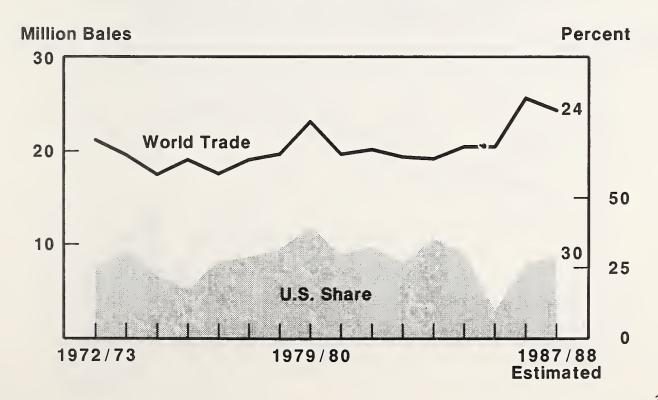
## **World Feed Grain Trade**



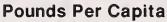
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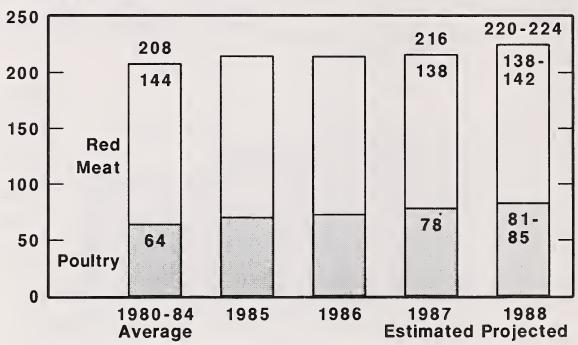


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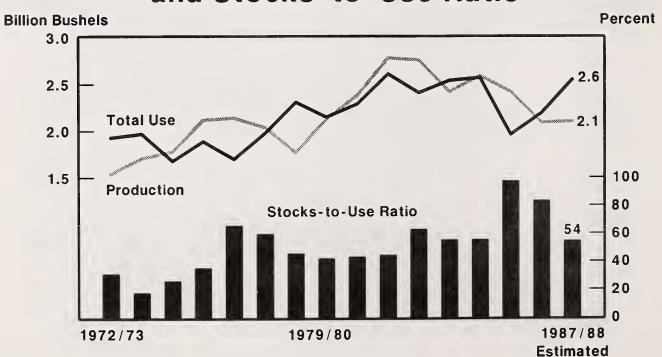


## **U.S. Per Capita Meat Consumption**

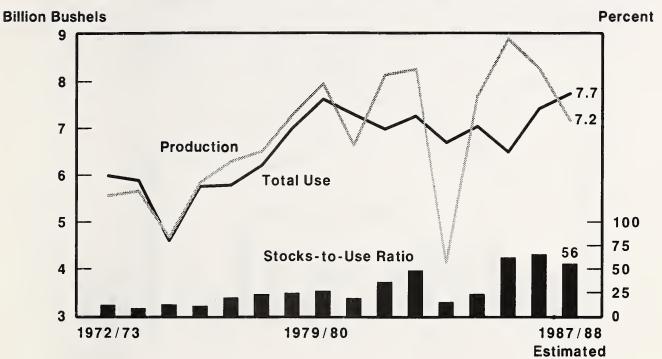




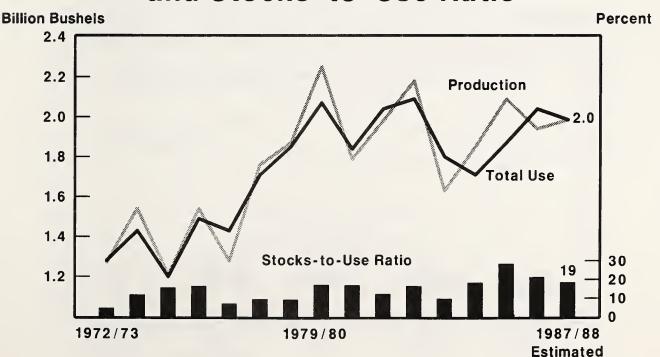
Total U.S. Wheat Production, Use and Stocks-to-Use Ratio



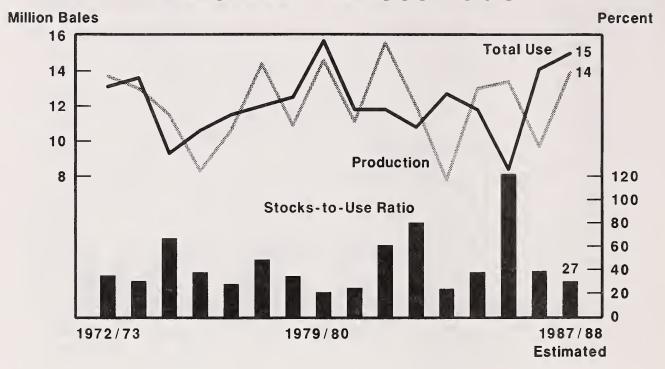
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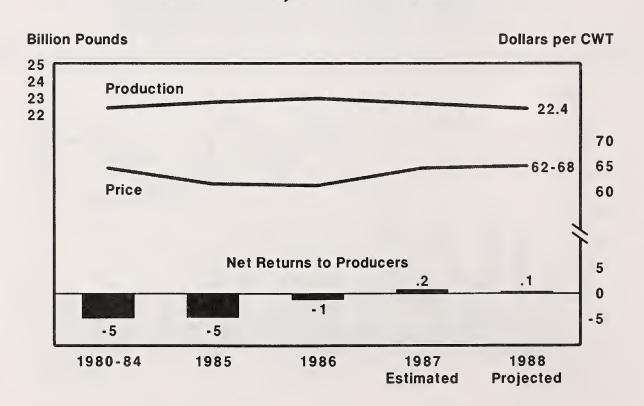
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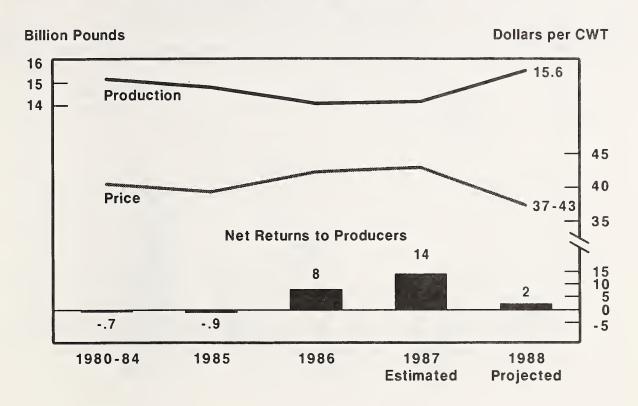
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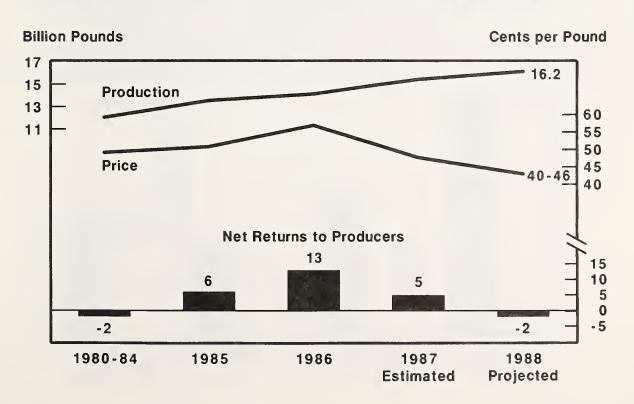
## **Beef Production, Prices and Returns**



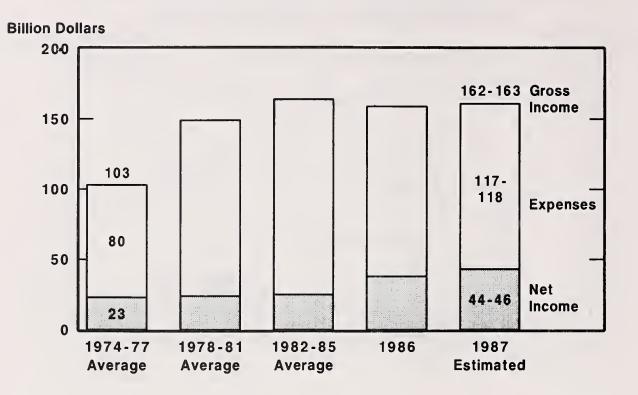
## Pork Production, Prices and Returns



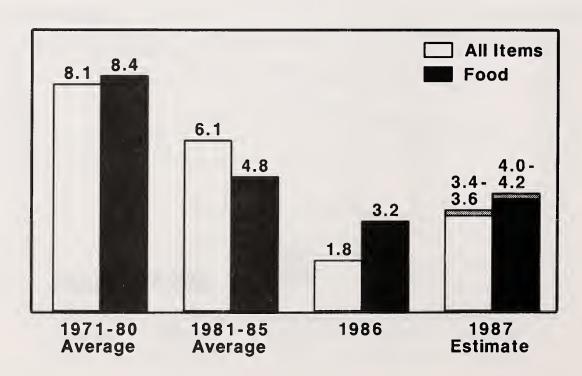
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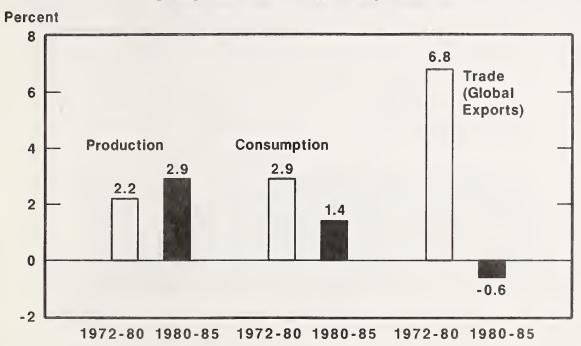
### **Net Farm Income**



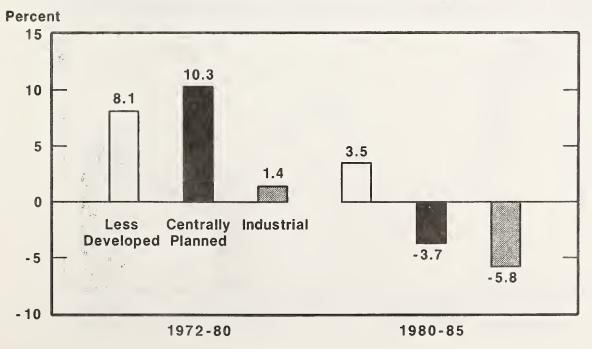
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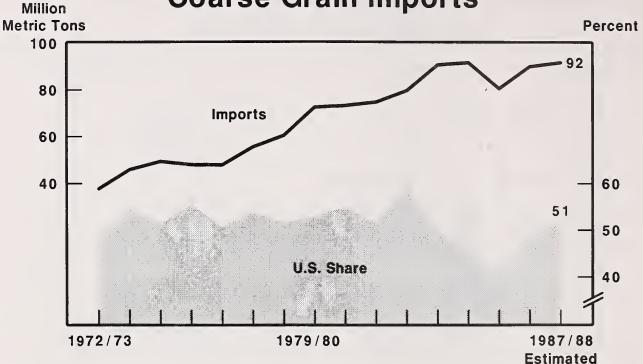
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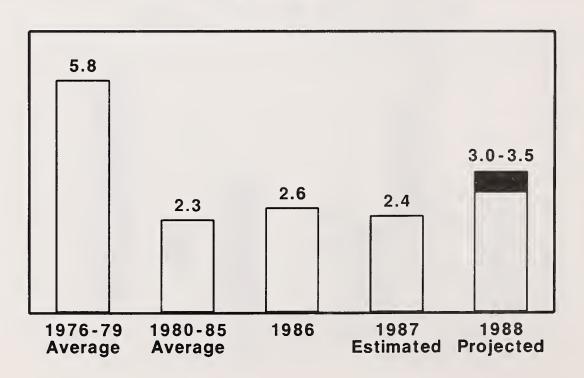
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# Developing Countries: Wheat and Coarse Grain Imports

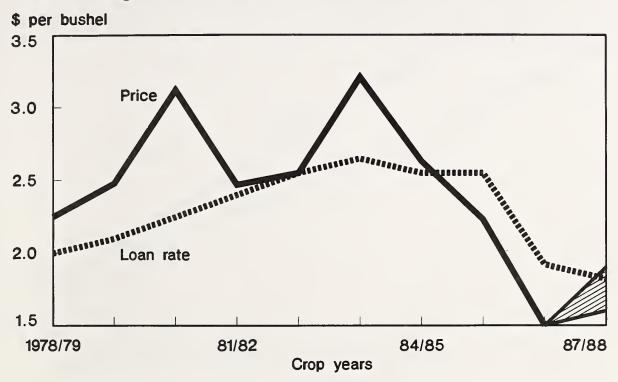


## Economic Growth Rates, Developing Countries Percent

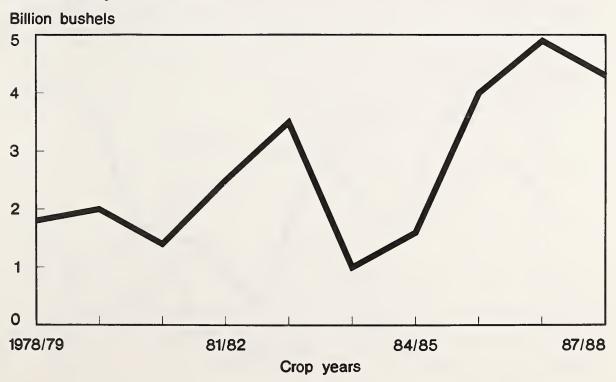




#### Corn: Average Farm Price and Loan Rate

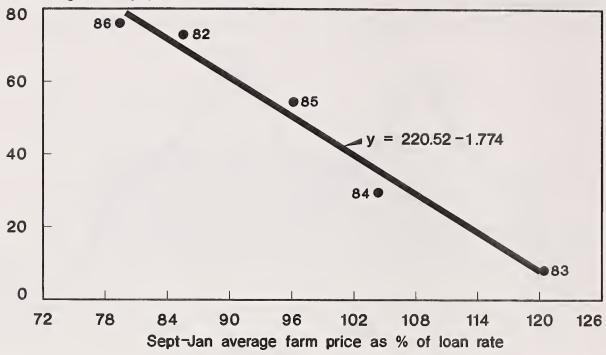


#### Corn Carryover Stocks

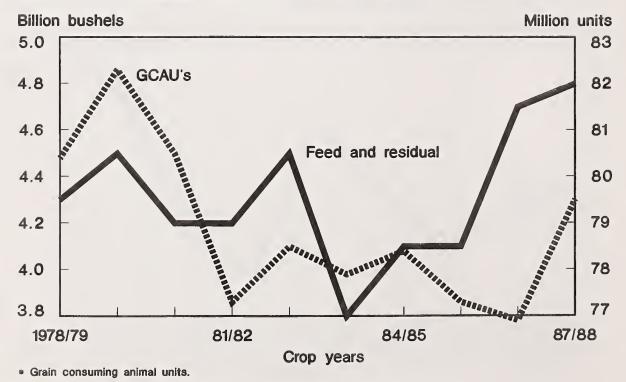


#### Farm Prices, Loan Rate, and Loan Placements

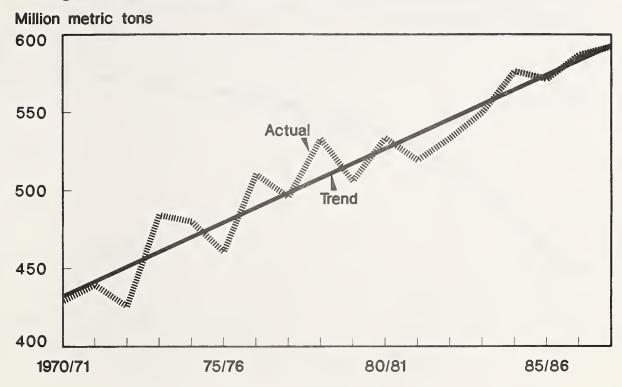
% of eligible crop put under loan



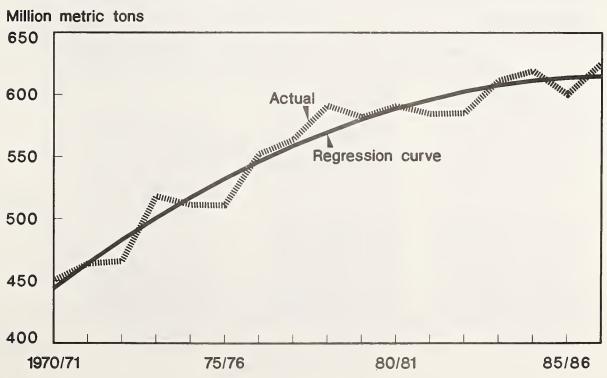




### Foreign Coarse Grain Production

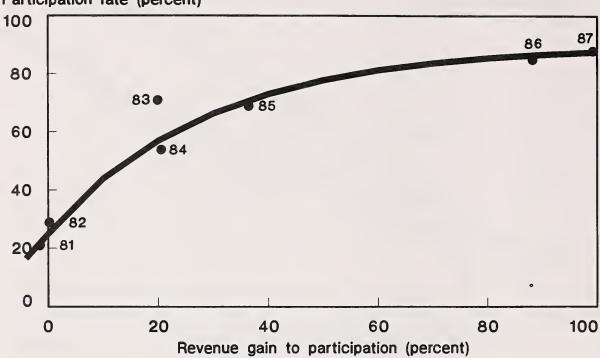


### Foreign Coarse Grain Use

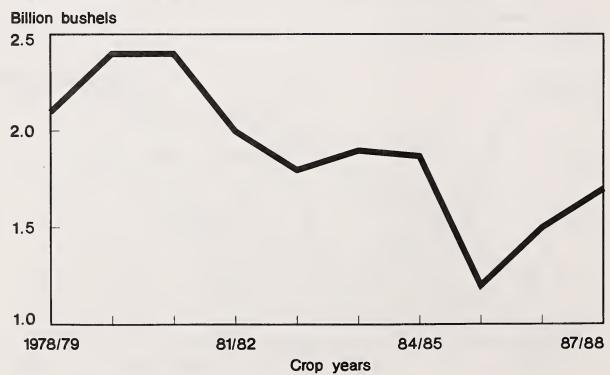


#### **Program Participation**

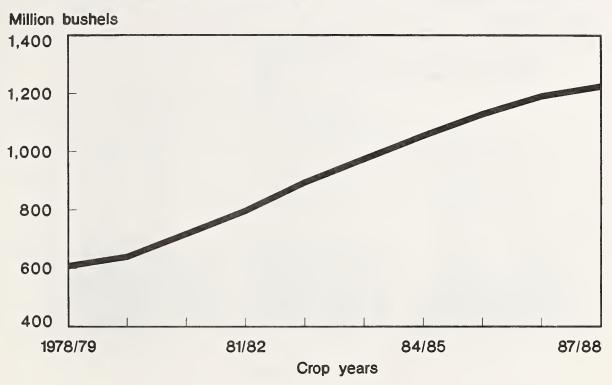
Participation rate (percent)



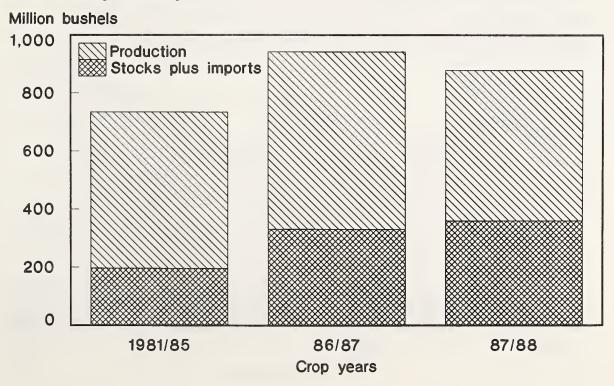
### **U.S. Corn Exports**



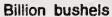
#### U.S. Food, Seed, and Industrial Use of Corn

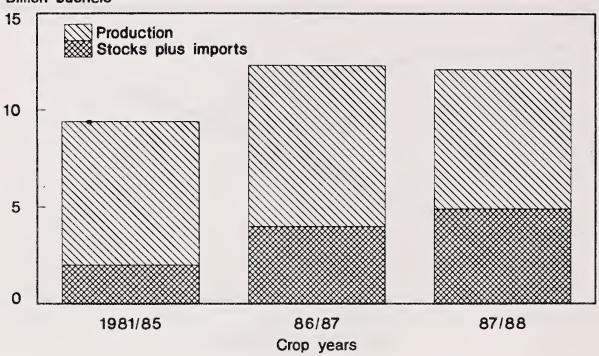


#### U.S. Barley Supply

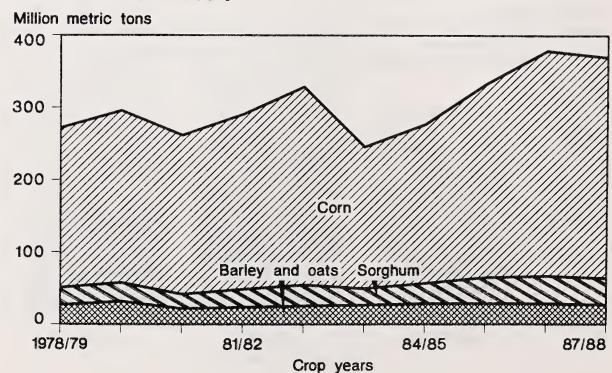


#### U.S. Corn Supply



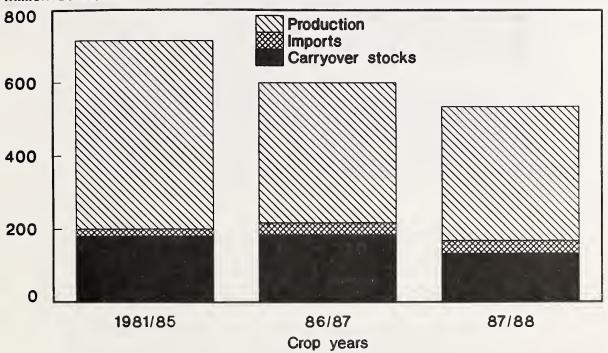


#### U.S. Feed Grain Supply



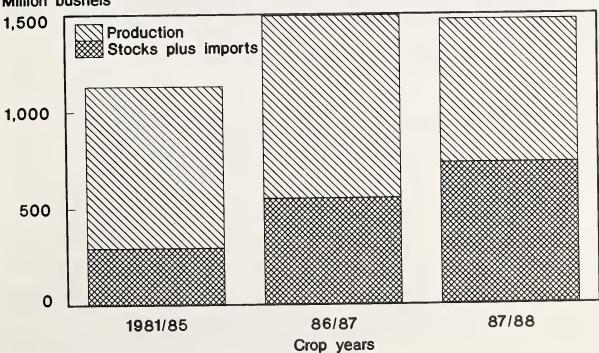
#### **U.S. Oats Supply**





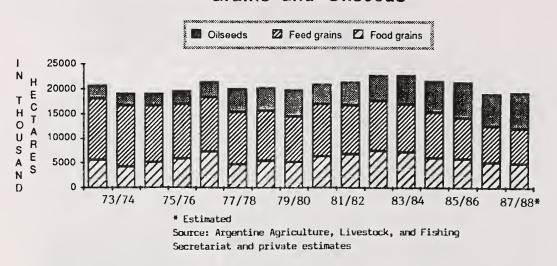
#### **U.S. Sorghum Supply**

#### Million bushels

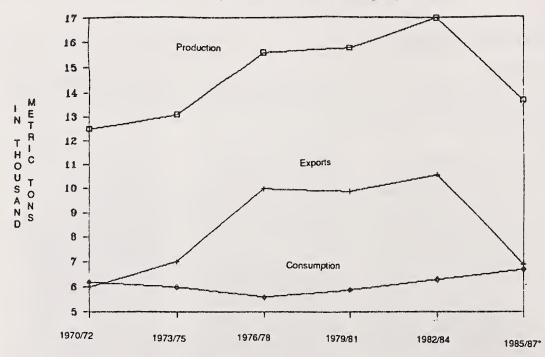




## Argentine Planted Area -Grains and Oilseeds-

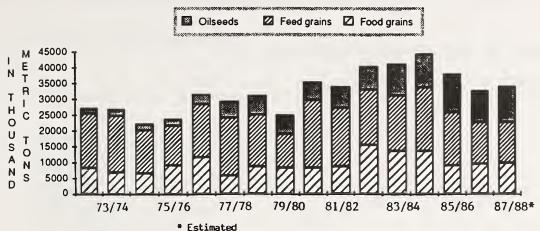


## Argentina: Production, domestic consumption and exports of Corn and Grain Sorghum (Three - Year averages)



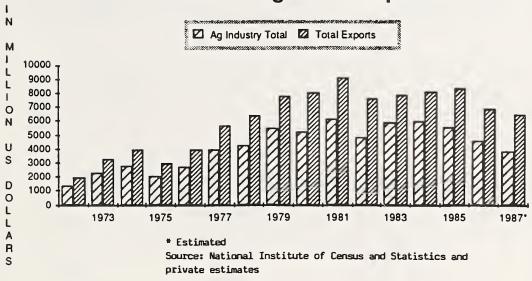
\* Estimated Source: Argentine Agriculture, Livestock, and Fishing Secretariat; National Grain Board and private estimates

#### Argentina: Grains and Oilseeds Production



Source: Argentine Agriculture, Livestock, and Fishing Secretariat and private estimates

#### Value of Argentine Exports

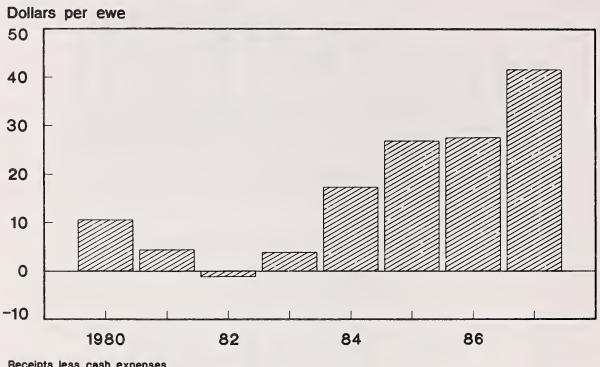


## PRODUCTION AND MARKETING COSTS OF CORN IN VARIOUS COUNTRIES U.S.DOLLARS PER METRIC TON. (MID-1986 PRICE LEVELS AND EXCHANGE RATES)

	ARGENTINA	BRAZIL	S.AFRICA	THAILAND	U.S.A.
TOTAL VARIABLE COST	45.60	73.28	61.12	43.98	58.70
TOTAL FIXED COST	39.62	75.10	47.02	35.18	60.52
TOTAL PRODUCTION COST	85.22	148.38	108.14	79.16	119.22
MARKETING COST	30.46	37.37	35.60	33.92	25.10
TOTAL COST	115.68	185.75	143.74	113.08	144.32

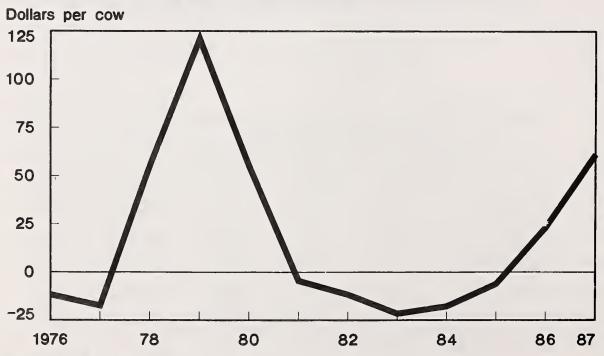
**SOURCE: OHIO STATE UNIVERSITY. SEE REFERENCES** 

#### Returns to U.S. Sheep Producers



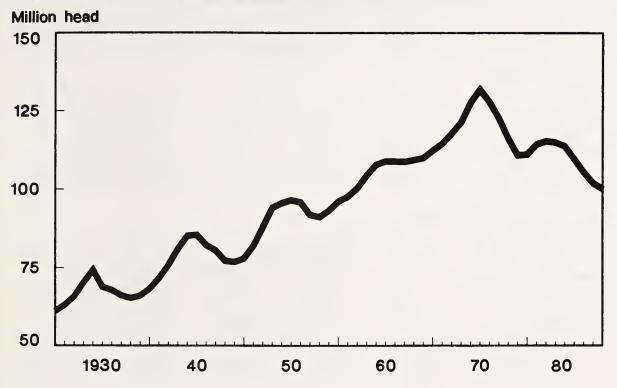
#### Receipts less cash expenses

#### Returns to U.S. Cow-Calf Producers



Receipts less cash expenses.

### U.S. Cattle and Calf Inventory



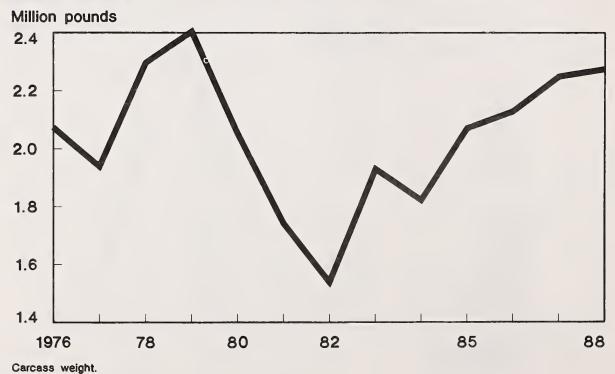
**Beef Consumption and Prices** 

Year	Per capita consumption	ERS retail price
	Pounds	Dollars per pound
1979	78.0	2.26
1980	76.5	2.38
1981	77.2	2.39
1982	77.1	2.42
1983	78.7	2.38
1984	78.6	2.40
1985	79.1	2.33
1986	79.8	2.31
1987	76.4	2.42
1988	73.1	2.44
% change, 1987-1988	-4	+1

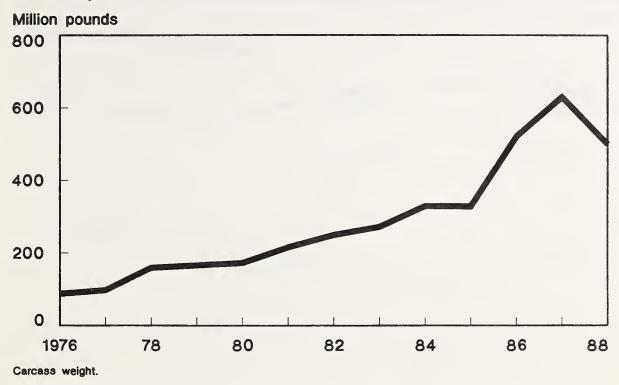
Feeder Cattle Supply, October 1

1984	1985	1986	1987	% change
	1,000	head		
35,500	33,600	32,200	00,000	0.00
856	872	859	000	0.00
495	287	310	000	0.00
34,149	32,439	31,031	00,000	0.00
24,450	24,200	23,300	00,000	0.00
7,174	7,465	7,521	0,000	0.00
9,999	8,924	9,314	0,000	0.00
7,277	7,771	6,465	0,000	0.00
41,426	40,210	37,496	00,000	0.00
	35,500 856 495 34,149 24,450 7,174 9,999 7,277	1,000 35,500 33,600 856 872 495 287 34,149 32,439 24,450 24,200 7,174 7,465 9,999 8,924 7,277 7,771	1,000 head  35,500 33,600 32,200 856 872 859 495 287 310 34,149 32,439 31,031  24,450 24,200 23,300 7,174 7,465 7,521 9,999 8,924 9,314 7,277 7,771 6,465	1,000 head  35,500 33,600 32,200 00,000 856 872 859 000 495 287 310 000 34,149 32,439 31,031 00,000  24,450 24,200 23,300 00,000 7,174 7,465 7,521 0,000 9,999 8,924 9,314 0,000 7,277 7,771 6,465 0,000

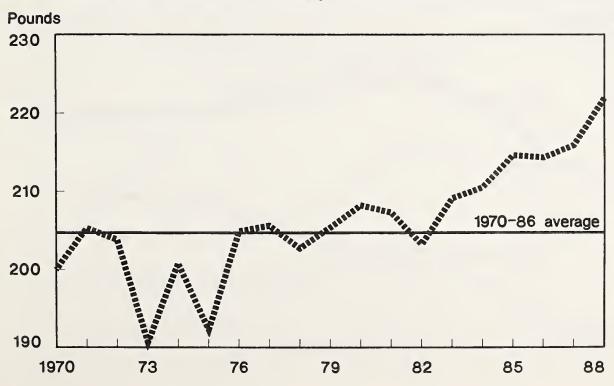
### **Beef Imports**



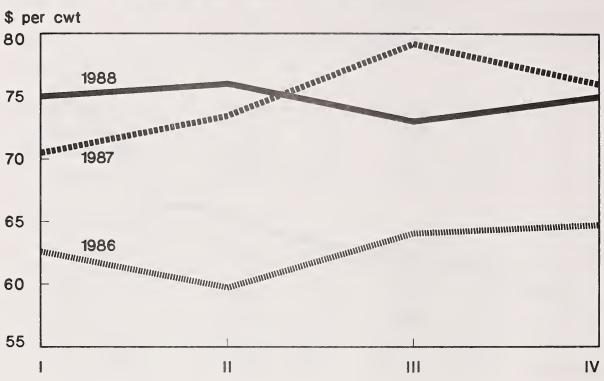
#### **Beef Exports**



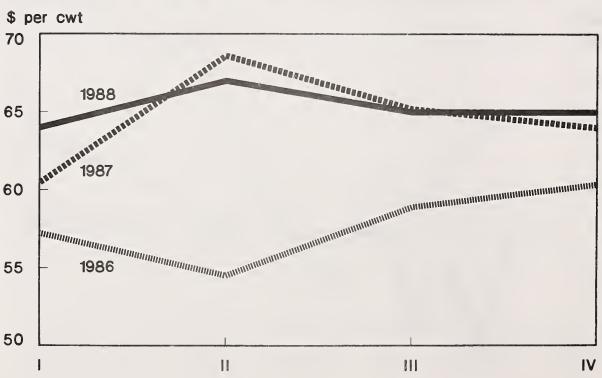
#### Per Capita Red Meat and Poultry Consumption



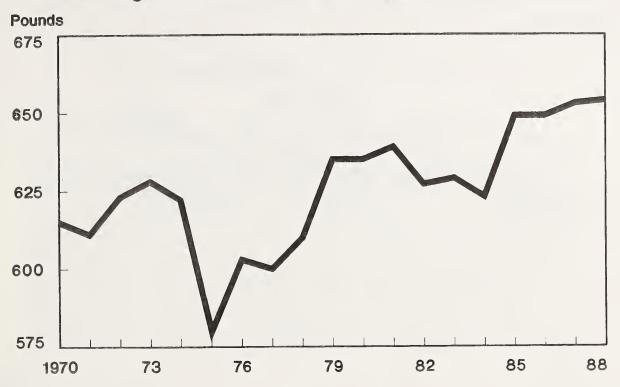
#### Medium #1 Feeder Steer Prices, Kansas City



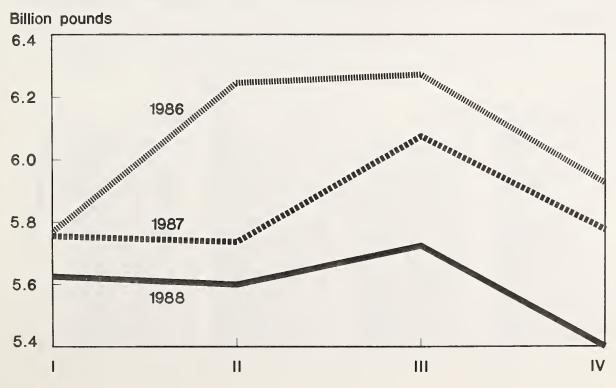
#### Choice Steer Prices, Omaha



### Cattie: Average Commerciai Dressed Weight

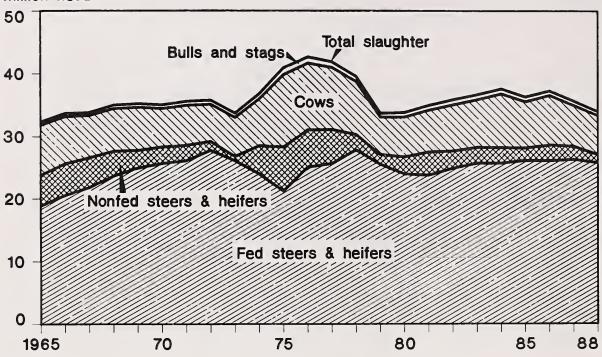


#### **Commercial Beef Production**

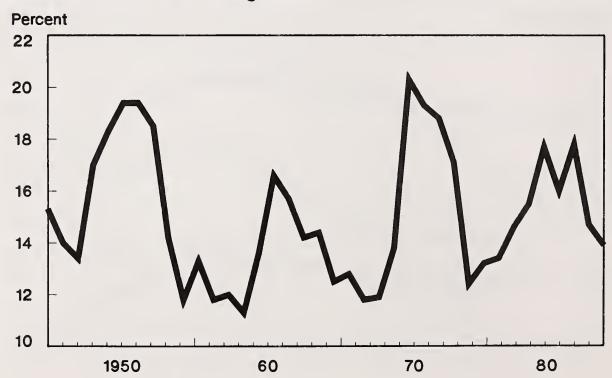


#### Commercial Cattle Slaughter by Class

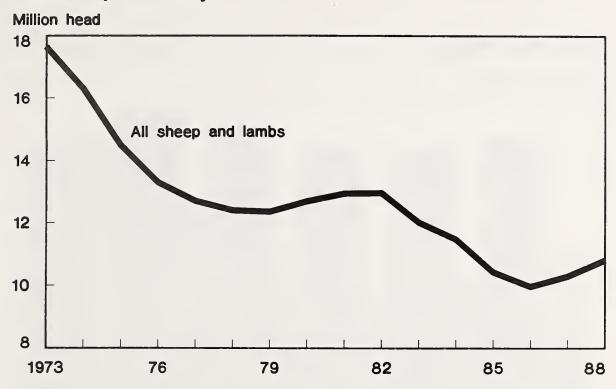




#### Share of Cow Herd Slaughtered



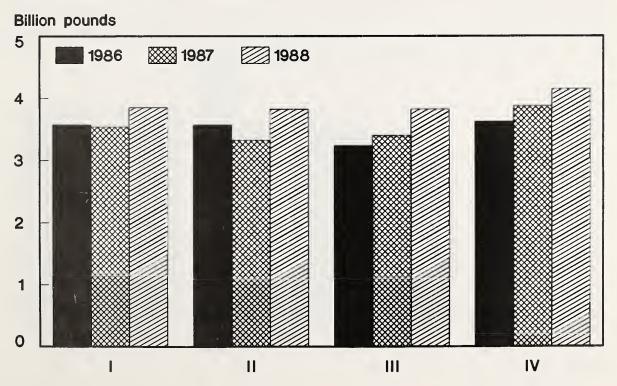
# U.S. Sheep Inventory



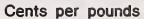


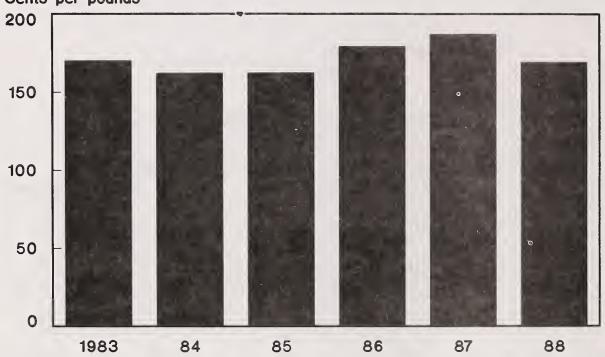
Leland Southard

#### **Commercial Pork Production**



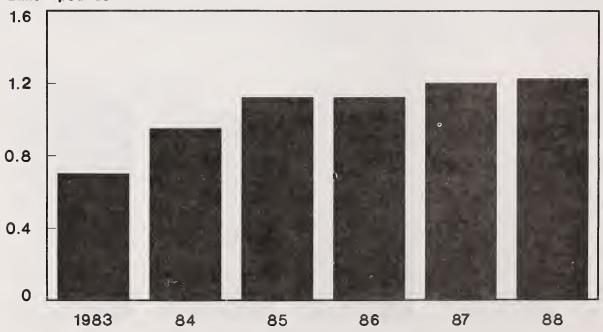
#### **Retail Pork Prices**





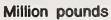
# **Imports of Pork Products**

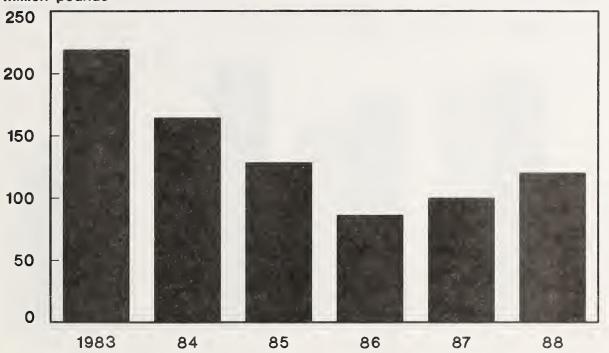
#### Billion pounds



Carcass weight

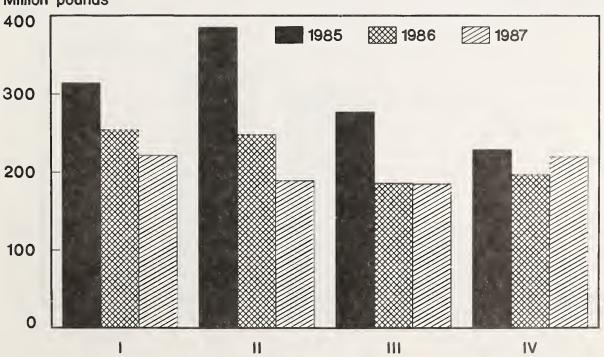
# **U.S. Pork Exports**



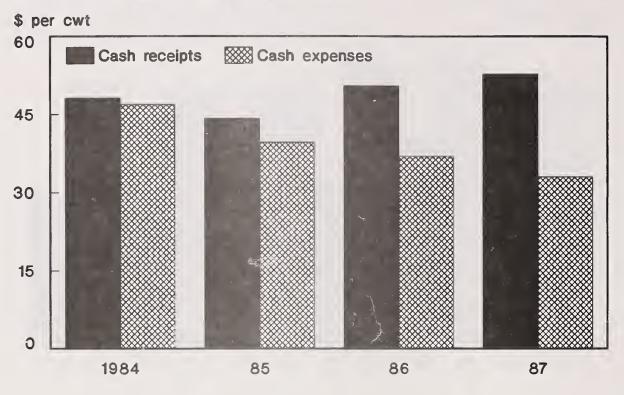


# Pork in Cold Storage

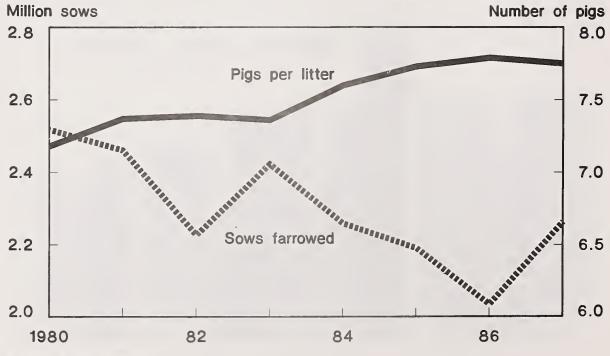
#### Million pounds



#### Farrow to Finish Costs of Production

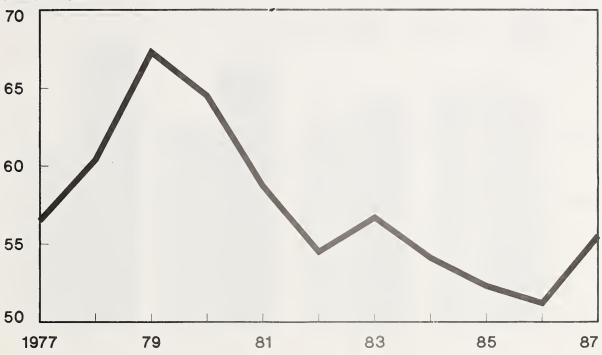


# Sows Farrowed and Litter Rate, June-August



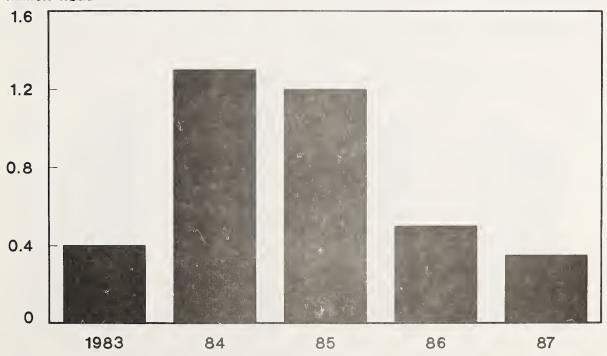
# Hogs and Pigs Inventory, December 1



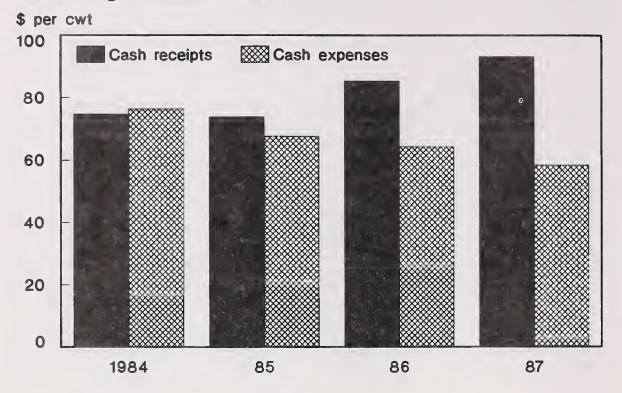


# Live Hogs Imported from Canada

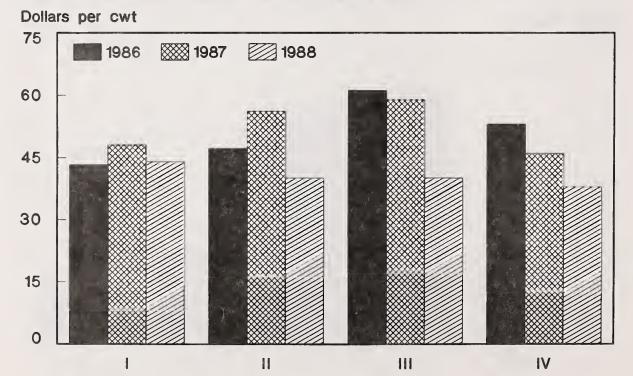
#### Million head

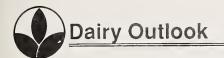


## **Feeder Pig Production Costs**

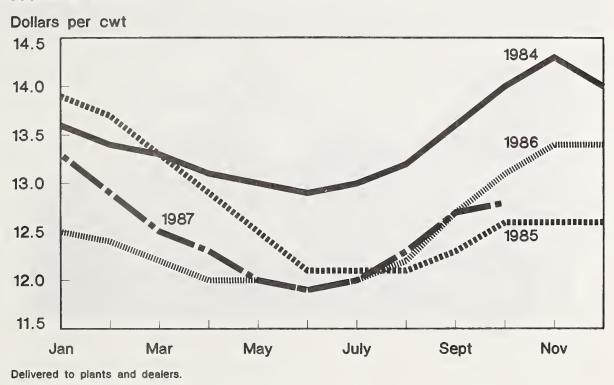


# Barrow and Gilt Prices, Seven Markets

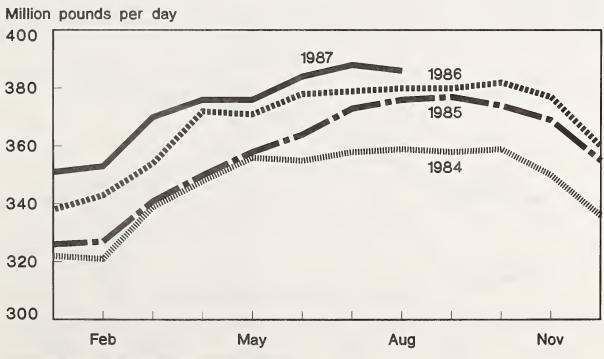




#### **All-Milk Price**

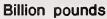


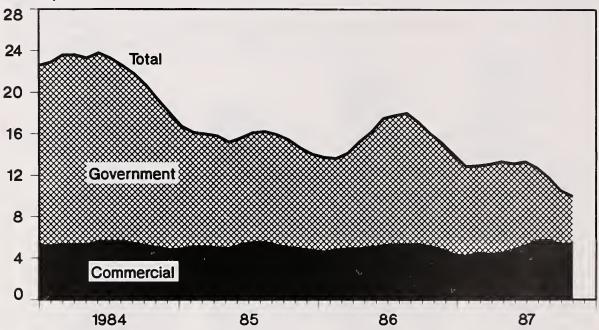
#### **Commercial Use of All Dairy Products**



Milkfat basis. Three-month moving average, centered.

## **Dairy Product Stocks**

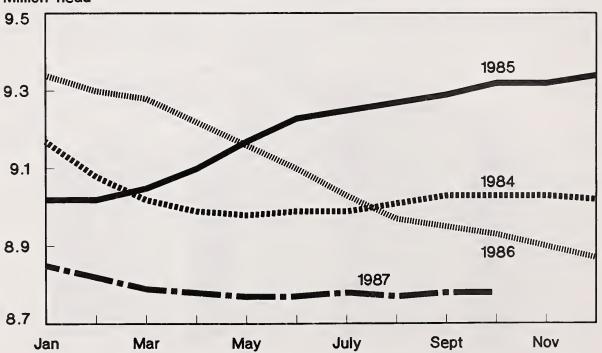




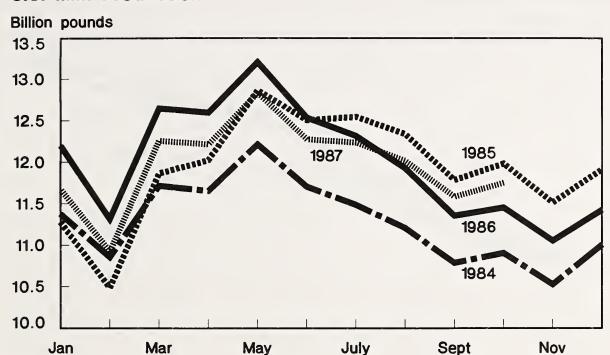
First of month, milkfat basis.

# Milk Cows on Farms, 21 States

#### Million head

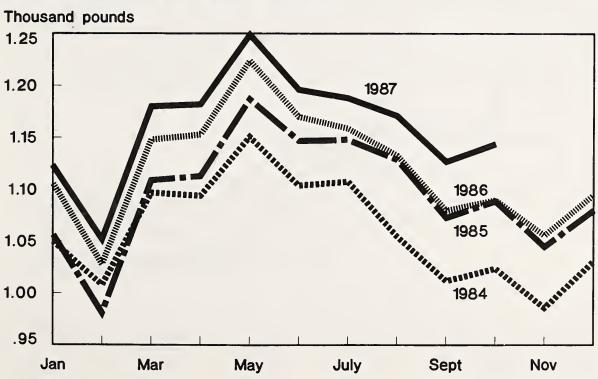


#### **U.S. Milk Production**

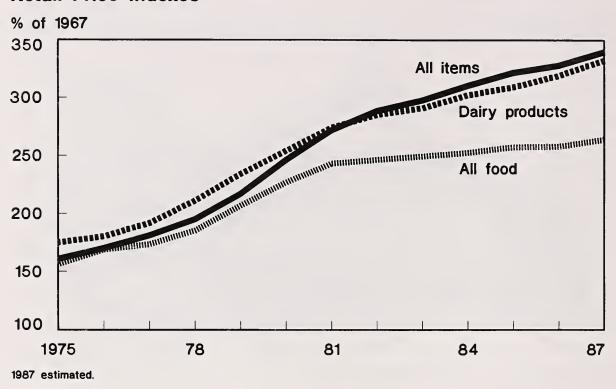


Estimated from data for 21 States beginning April 1986.

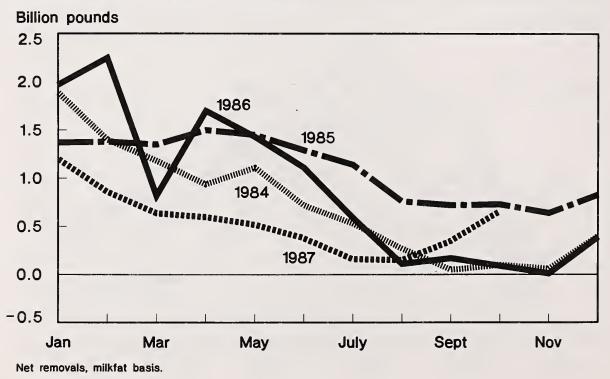
# Milk Production per Cow, 21 States



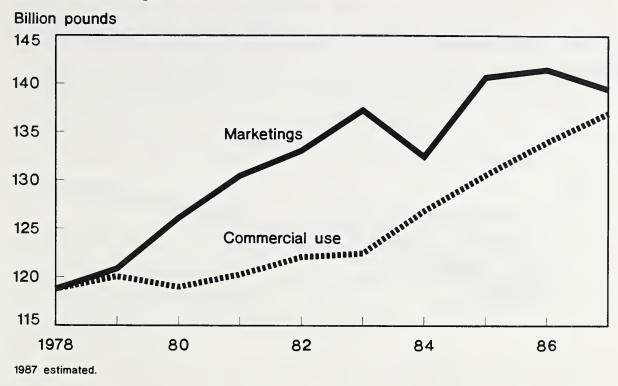
#### **Retail Price Indexes**



#### **USDA** Dairy Product Purchases



## Milk Marketings and Commercial Use

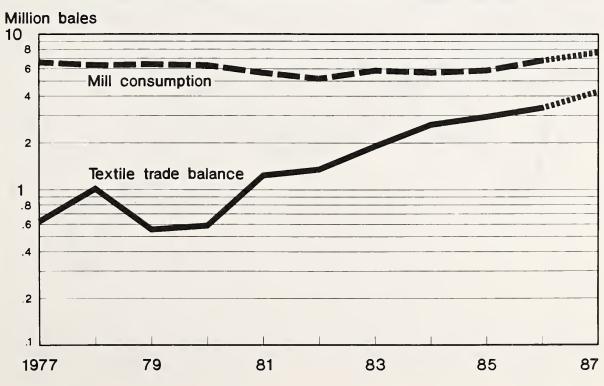




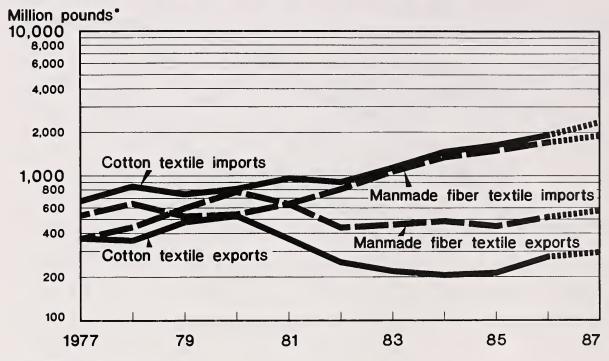
# Cotton Outlook

Robert A. Skinner

#### U.S. Cotton Mill Consumption and Textile Trade Balance

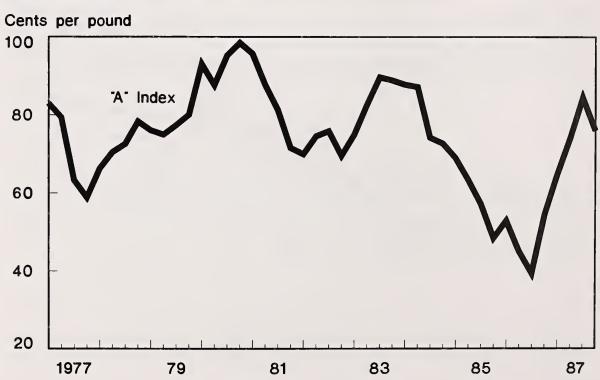


#### Cotton and Manmade Fiber Textile Imports and Exports

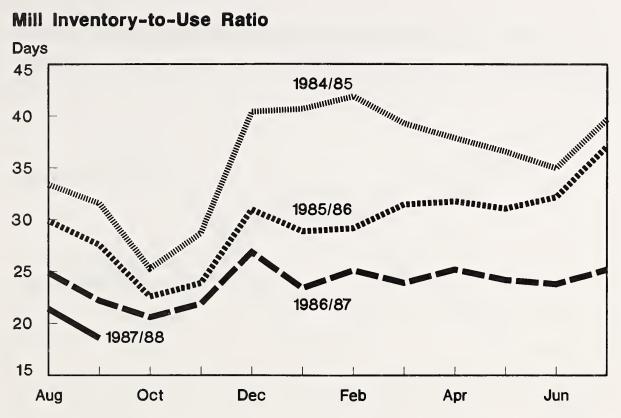


#### · Raw fiber equivalent.

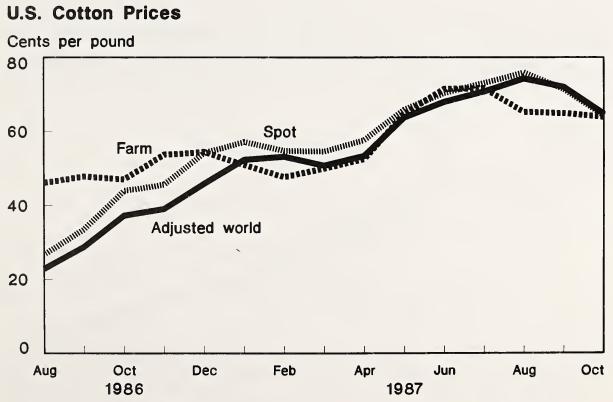
#### **World Cotton Prices**



#### Mill Inventory-to-Use Ratio

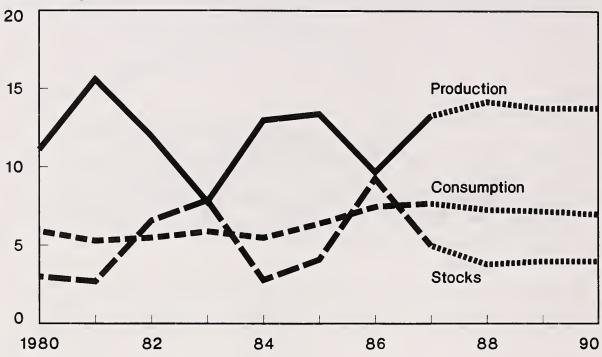


#### **U.S. Cotton Prices**



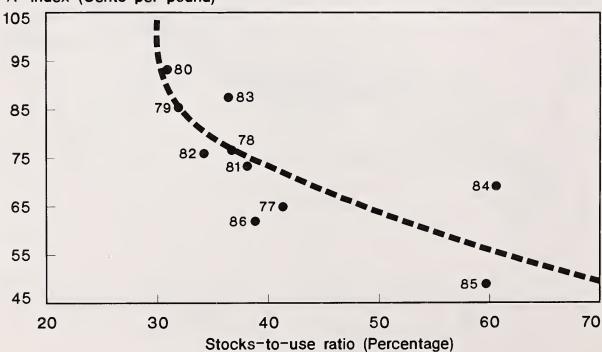
## U.S. Cotton Production, Consumption, and Stocks



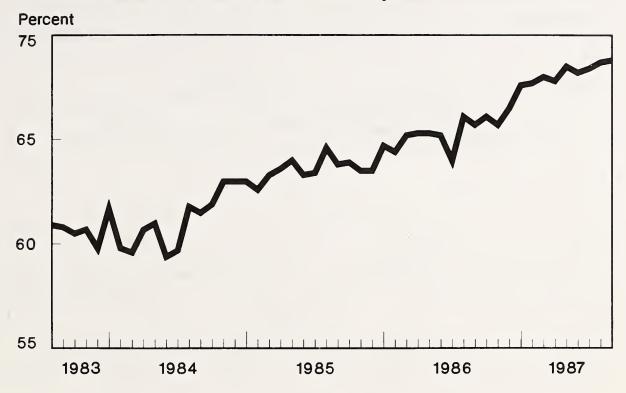


#### World Cotton Prices and Stocks-to-Use Ratio

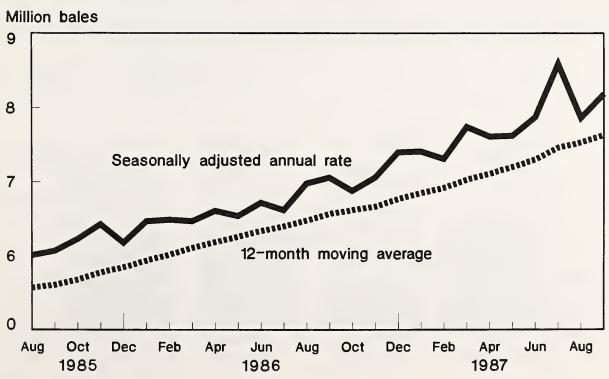
## "A" Index (Cents per pound)



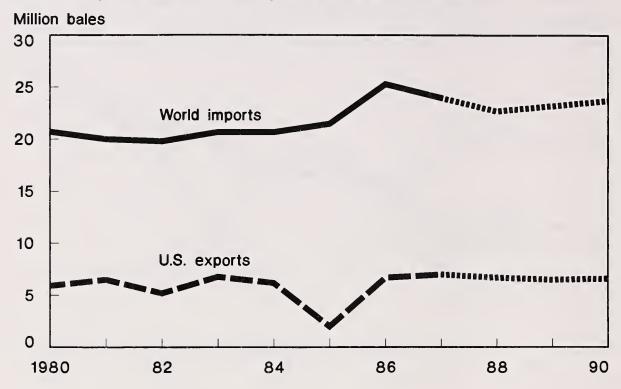
## Cotton's Share of Fibers on Cotton System



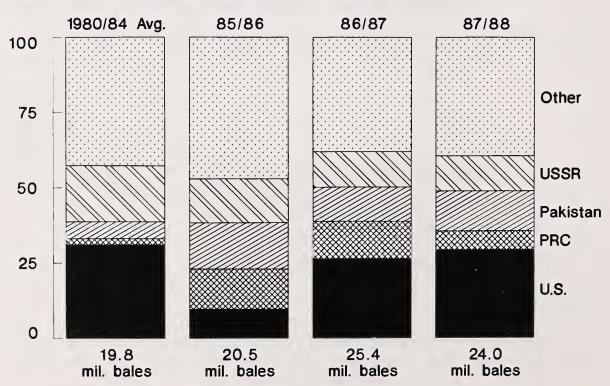
# **U.S. Mill Consumption**



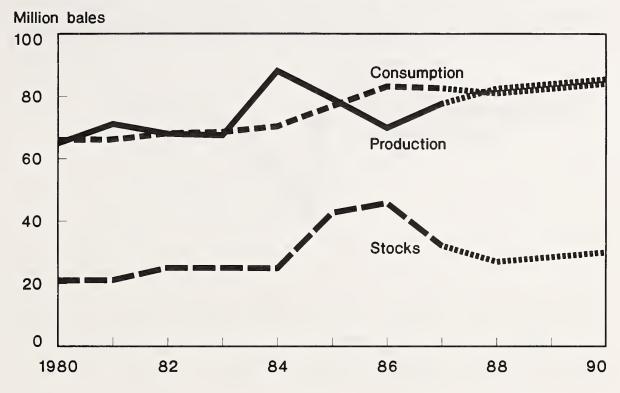
#### World Imports and U.S. Exports of Raw Cotton



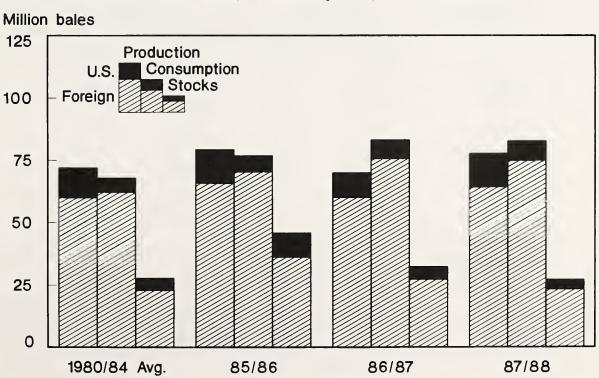
#### **World Cotton Trade and Export Shares**



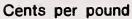
## World Cotton Production, Consumption, and Stocks

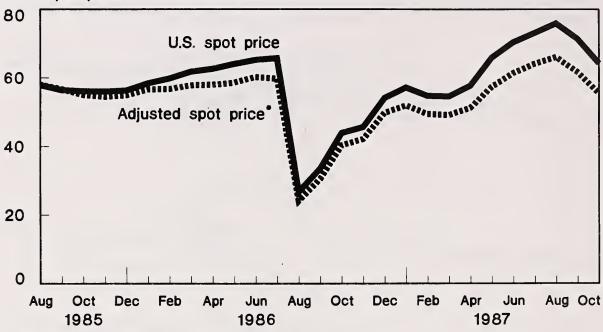


#### World Cotton Production, Consumption, and Stocks



#### **U.S. Spot Prices**





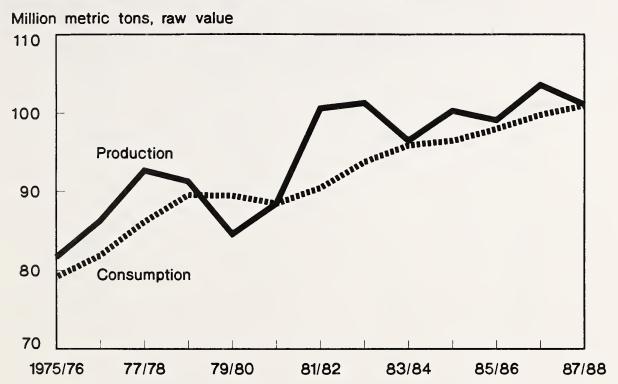
<sup>•</sup> Adjusted by trade weighted exchange rate index (April 1971=100).

**U.S. Cotton Exports to Selected Countries** 

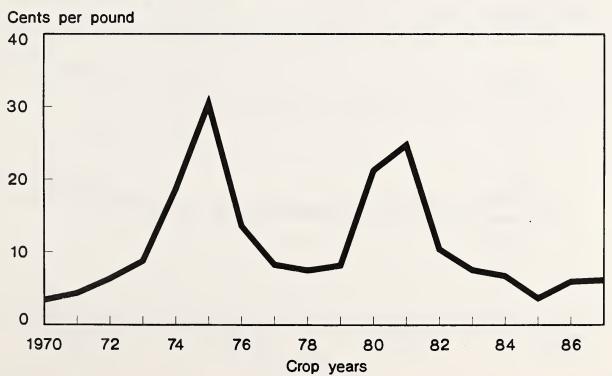
Country	1980 avera	_	1986	6/87
	Thousand bales	Market share(%)	Thousand bales	Market share(%)
Japan	1,442	44	1,723	48
Korea	1,319	85	1,330	70
Taiwan	513	46	907	40
Hong Kong	207	26	52	4
Italy	169	16	263	18
France	91	11	114	9
Germany	99	11	263	20
Portugal	62	10	76	10
Indonesia	286	55	324	41
Thailand	202	47	239	19
Other	1,704		1,395	
World	6,140	31	6,684	26



#### World Sugar: Production and Consumption



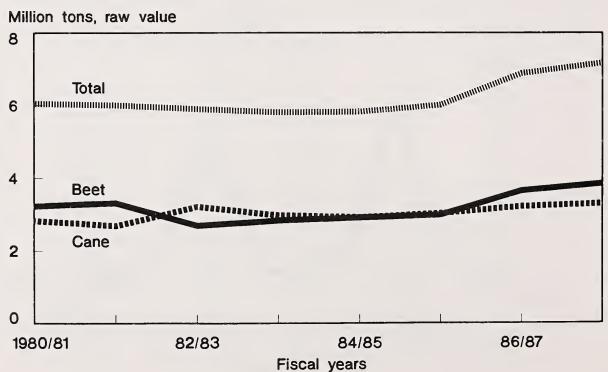
## World Raw Sugar Prices



U.S. Sugar: Area, Yield, and Production

	Area	Yield	Production
	1,000 acres	Short tons per acre (Sugarbeets or sugarcane)	1,000 short tons (Sugar)
Beet		(ouguiveets of Sugarcane)	(Ougai)
1982-85	1,070	2.65	2,835
1986	1,191	2.87	3,414
1987	1,248	3.08	3,850
Cane			
1982-85	714	4.21	3,008
1986	751	4.37	3,281
1987	783	4.25	3,325

# **U.S. Sugar Production**



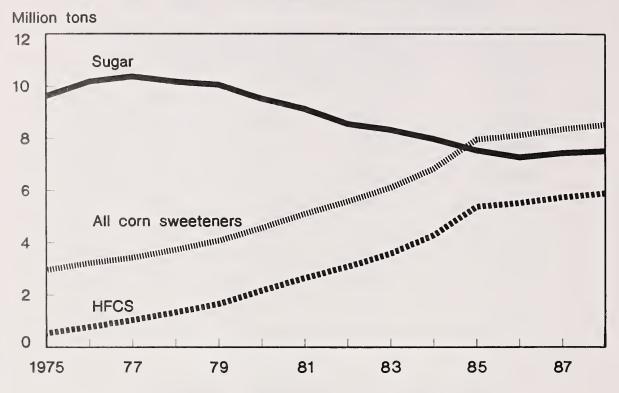
Returns to Management and Risk

	1984 crop	1985 crop	1986 crop
		Dollars an acre	
Barley	-26	-43	-49
Corn	-16	-24	<b>-7</b> 5
Cotton	-35	-38	<b>-7</b> 5
Soybeans	-10	-7	-10
Sugarbeets	92	107	176
Sugarcane	-90	-96	-18
Wheat	-17	-28	-40

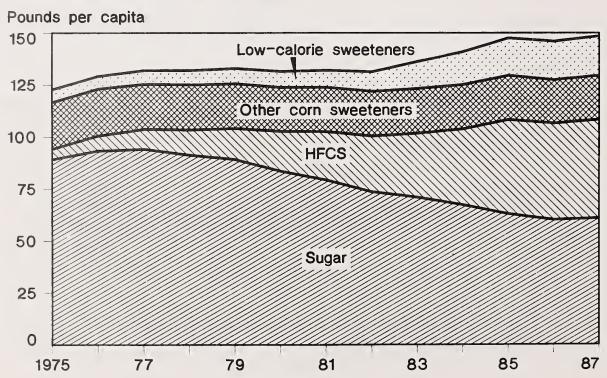
# Sugar and Corn Sweetener Deliveries

F	Peak year	1980	1985	1987	1988
			Million tons		
Sugar	11.1 (1977)	10.2	8.1	8.0	8.0
HFCS	5.9 (1988)	2.2	5.4	5.8	5.9
All corn sweeteners	8.5 (1988)	4.6	8.0	8.4	8.5

## U.S. Sugar and Corn Sweetener Deliveries



## **U.S. Sweetener Consumption**



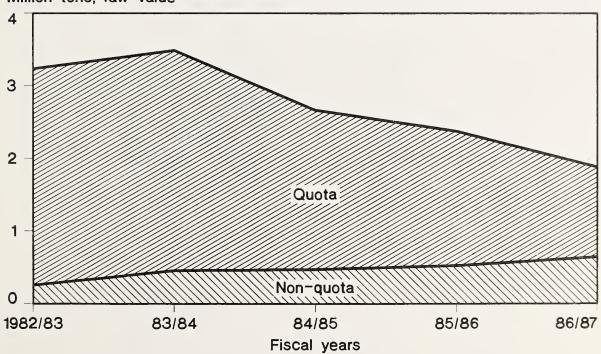
U.S. Imports of Raw Sugar

Fiscal year	1,000 tons, raw value
1980	4, 874
1982	3,603
1984	3,490
1986	2,378
1987	1,884

Note: Sugar quota started May 1982.

**U.S. Sugar Imports** 

Million tons, raw value



U.S. Prices for Raw Sugar (New York)

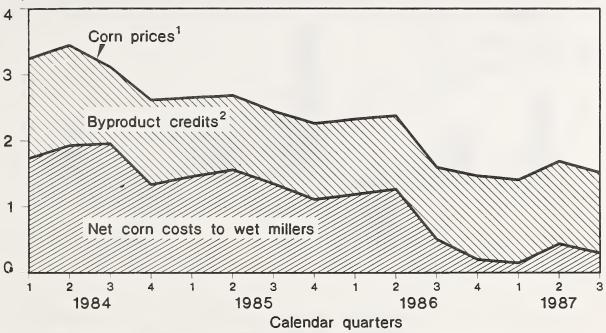
Fiscal year	High	Low	Average	MSP
1982	22.45	15.66	18.84	19.88
1983	22.59	20.44	21.76	20.78
1984	22.06	21.47	21.84	21.17
1985	21.56	19.51	20.89	21.57
1986	21.01	18.68	20.46	21.50
1987	22.07	21.08	21.68	21.78

U.S. Average Retail Price for Sugar

Fiscal year	Cents a pound		
1982	33.7		
1983	35.8		
1984	36.4		
1985	35.7		
1986	35.1		
1987	35.0		

#### **Net Corn Costs**

\$ per bu.



1/ No. 2 yellow corn, central Illinois.

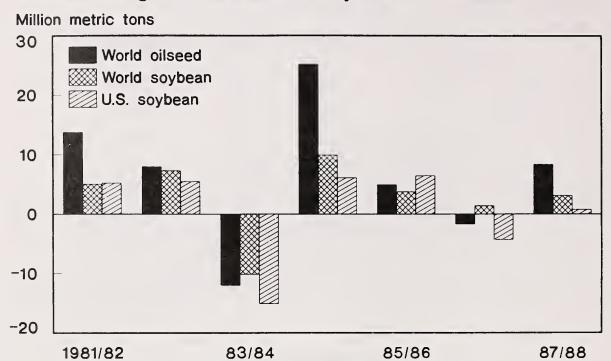
2/ Sales of corn oil and corn gluten feed and meal.

U.S. Sugar Supply and Use

	1986/87	1987/88
	1,000 short	tons, raw value
Beginning stocks	1,652	1,514
Production	6,886	7,175
Imports total	1,884	
Quota	1,237	
Other	647	510
Total Supply	10,422	
Exports	597	405
CCC disposal	177	0
Domestic deliveries	7,998	8,100
Other	136	50
Total Use	8,908	8,555
Ending stocks	1,514	

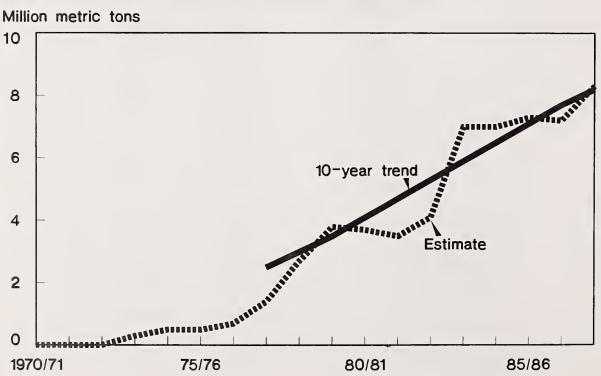
Fiscal years.

#### Annual Change in Oilseed and Soybean Production

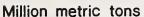


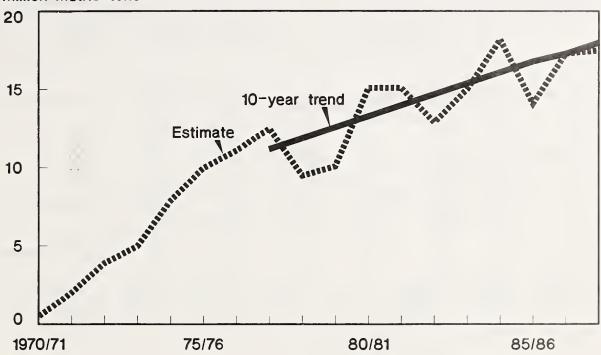
Crop years

## **Argentine Soybean Production**



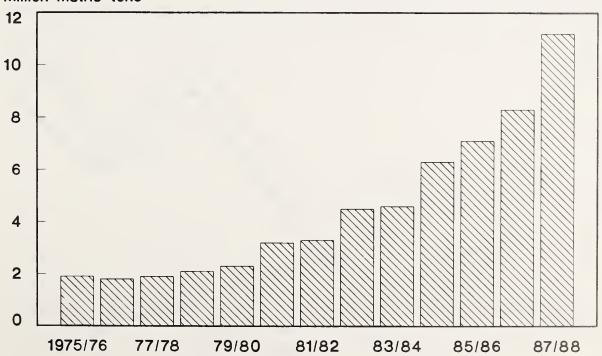
## **Brazilian Soybean Production**



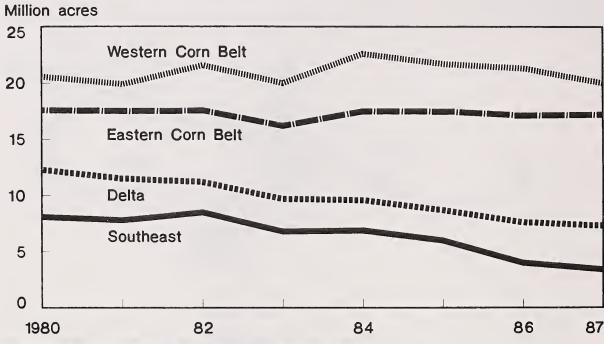


#### **EC-12 Oilseed Production**

#### Million metric tons

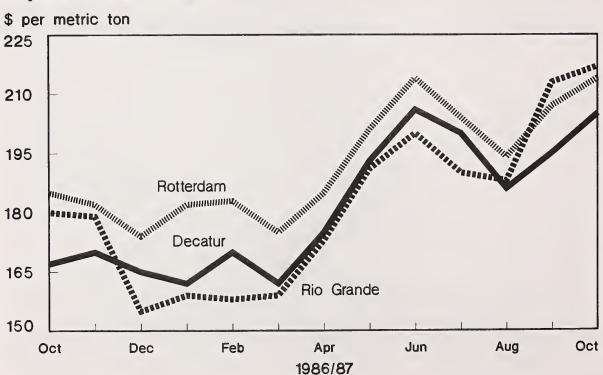


#### Harvested Soybean Acreage



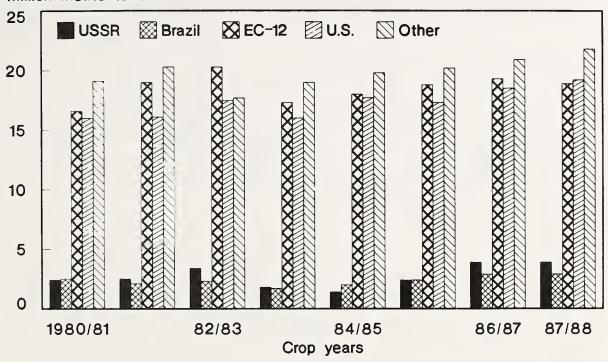
West Corn Belt - MO, NE, IA, MN East Corn Belt - OH, IN, IL Delta - MS, AR, LA Southeast - NC, SC, GA, AL

#### Soybean Meal Prices

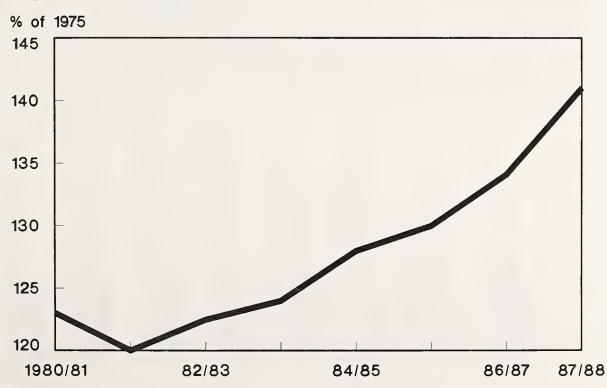


## World Soybean Meal Consumption

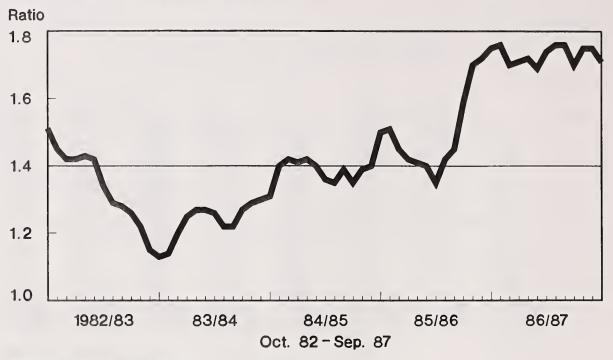
Million metric tons



#### **Protein Units Index**

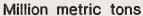


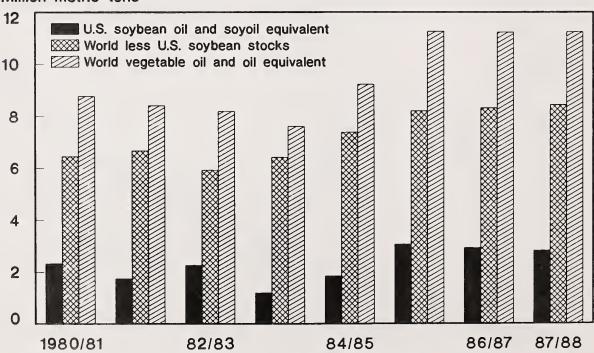
#### **U.S. Feed Profitability Ratio**



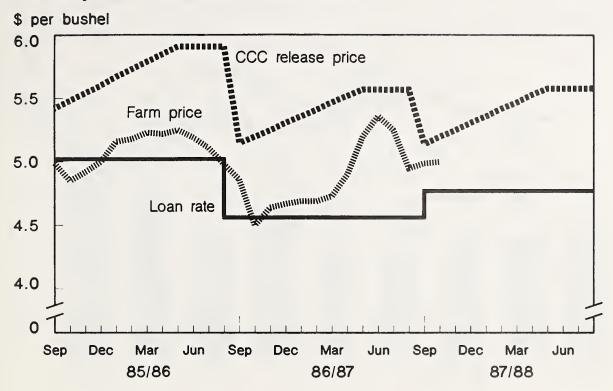
1964/65-1984/85 average = 1.4.

## **Ending Stocks**

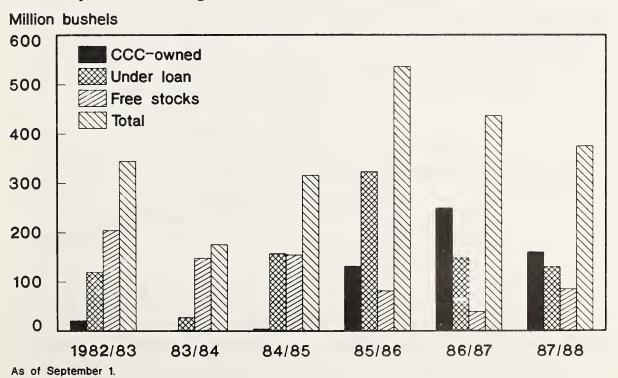




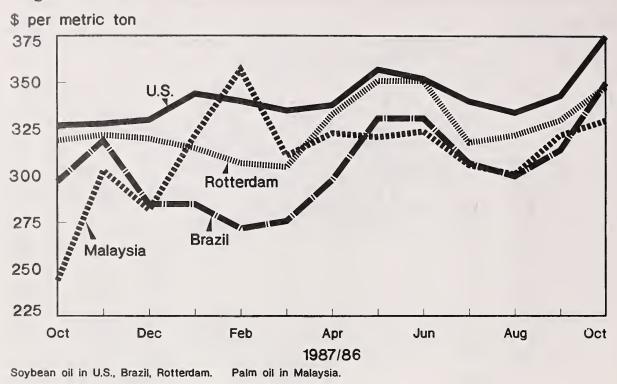
## U.S. Soybean Prices and Loan Rate



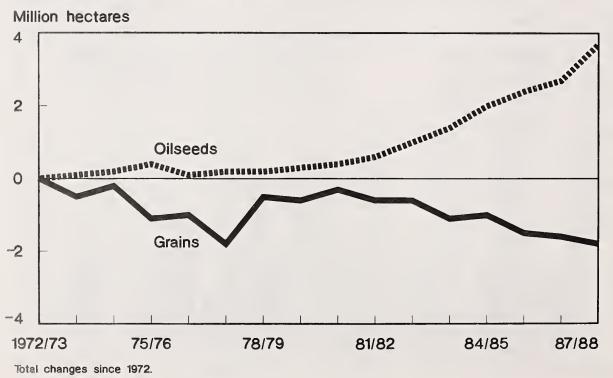
#### U.S. Soybean Ending Stocks



#### **Vegetable Oil Prices**

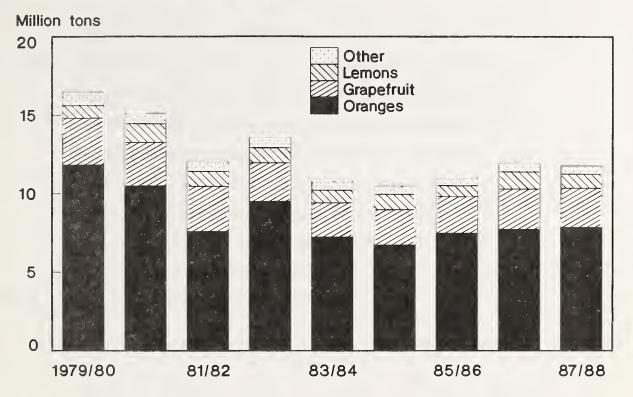


# Changes in World Cropland Area





#### **U.S. Citrus Fruit Production**



U.S. Production of Selected Noncitrus Fruit

				Change	from
	1981-85 average	1986	1987	81-85 average	1986
		1,000 tons		Perc	ent
Apples	4,050	3,946	4,807	19	22
Apricots	112	55	116	4	11
Cherries	138	250	372	170	49
Grapes	5,464	5,226	5,096	-7	-2
Nectarines	188	172	190	1	10
Peaches	1,172	1,163	1,243	6	7
Pears	786	766	862	10	12
Prunes/Plums	<b>22</b> 5	490	909	284	86
Strawberries	453	510	540	19	6
Total	12,588	12,578	14,135	12	12

#### Consumer Price Index for Fresh Fruit

Quarter	1984	1985	1986	1987	1988 <sup>1</sup>
			1967=100		
1st	295	356	352	400	405
2 nd	321	377	375	429	435
3 rd	355	372	386	412	420
4th	343	344	364	379 <sup>1</sup>	395
					†A
Annual	329	362	369	405 <sup>1</sup>	414

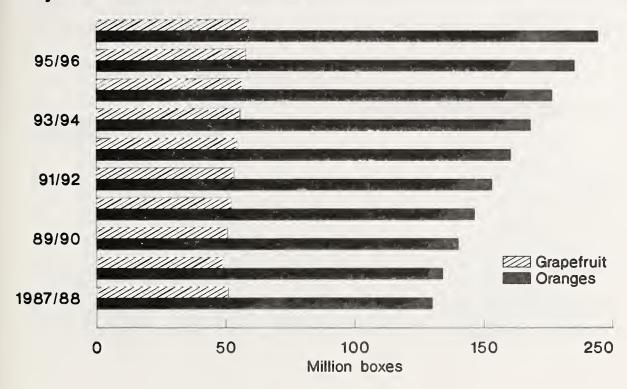
<sup>1/</sup> Estimated.

# Grower Prices for Fresh and Processing Fruit

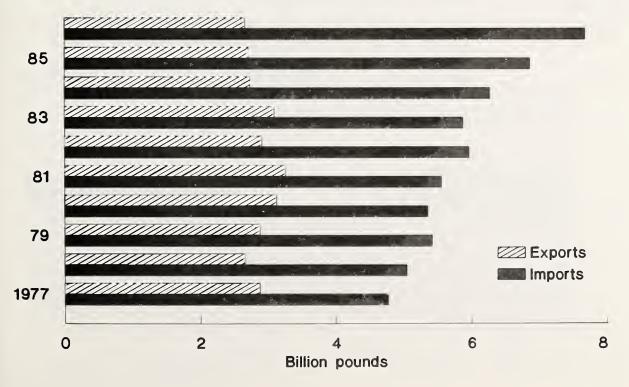
Quarter	1984	1985	1986	1987	1988 <sup>1</sup>
			1977=100		
1st	142	180	150	168	162
2 nd	170	178	159	178	172
3 rd	<b>2</b> 55	184	178	175	174
4th	239	180	180	173 <sup>1</sup>	166
Annual	202	181	167	174	168

<sup>1/</sup> Estimated.

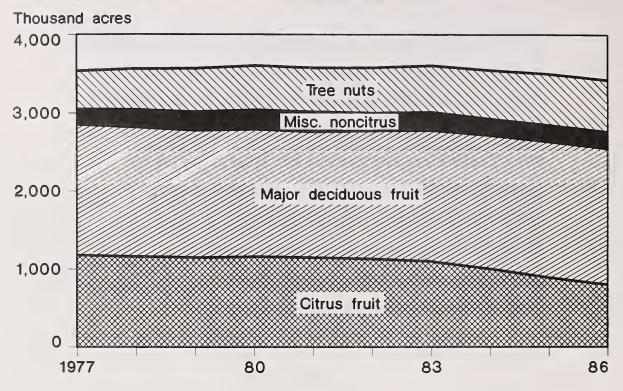
#### **Projected Florida Citrus Production**



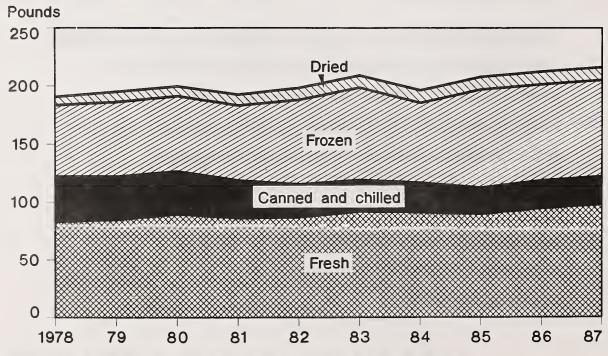
#### U.S. Trade in Fresh Fruit



## Bearing Acreage of U.S. Fruit and Tree Nuts

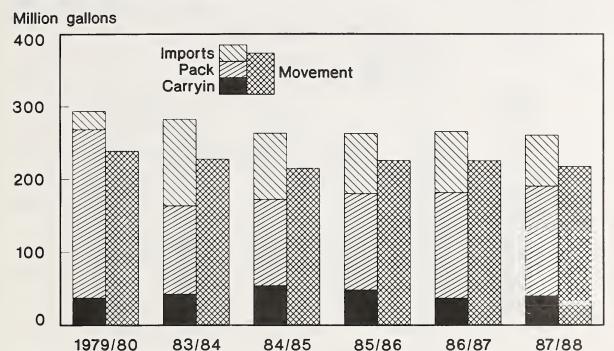


#### Per Capita Fruit Consumption



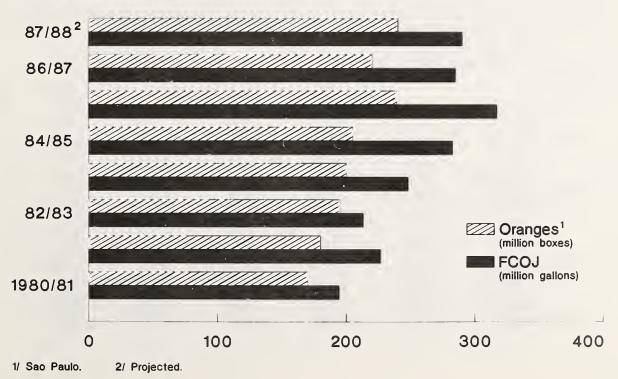
Fresh-weight equivalent. 1987 estimated. Canned and frozen include fruit and juice.

## Florida Supply and Movement of FCOJ

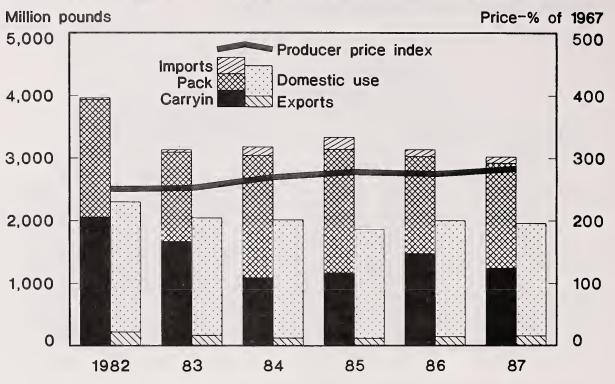


1986/87 imports and movement estimated. 1987/88 estimated.

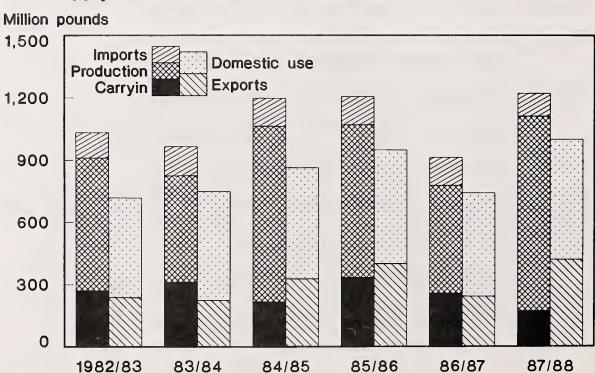
# **Brazilian Orange Production and FCOJ Supply**



# U.S. Supply, Movement, and Producer Price of Canned Fruit



## U.S. Supply and Movement of Tree Nuts





U.S. Vegetable Industry at a Glance

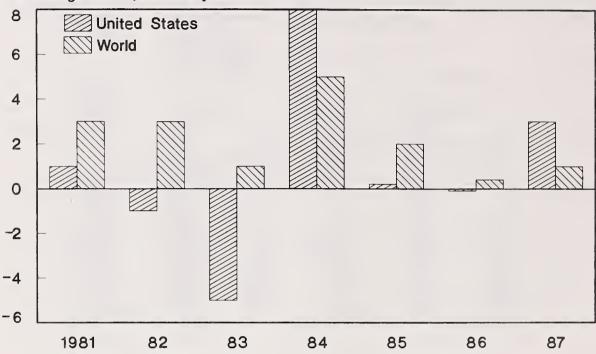
	1986	1987 forecast	Percent change
		Million pounds	
Production			
Fresh	້ 21,527	21,494	
Processing	21,954	22,918	4
Imports			
Fresh	3,124	3,280	5
Processed	907	653	-28
Exports			
Fresh	1,251	1,201	-4
Processed	585	667	14
		1977=100	
Grower prices			
Fresh	123	134	9
Commercial	130	137	5

# **Vegetable Price Indexes**



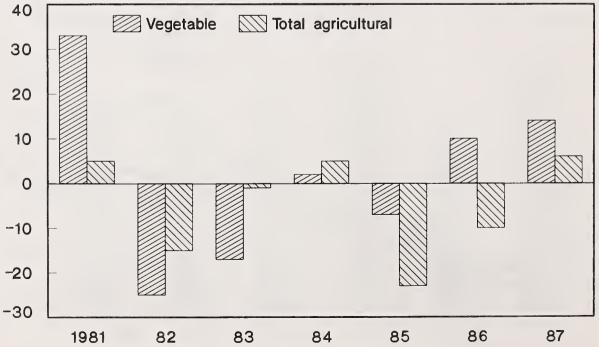
#### U.S. and World Vegetable Production

% change from previous year

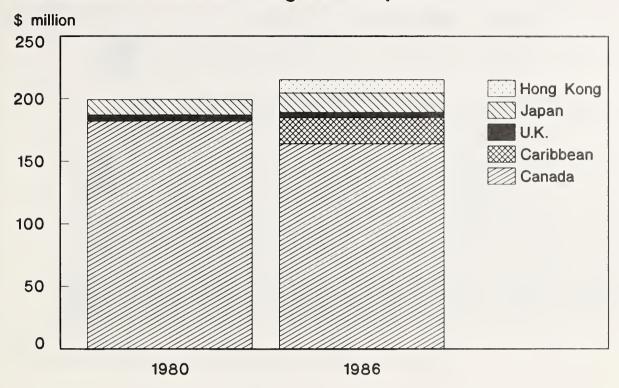


## U.S. Vegetable and Total Agricultural Exports

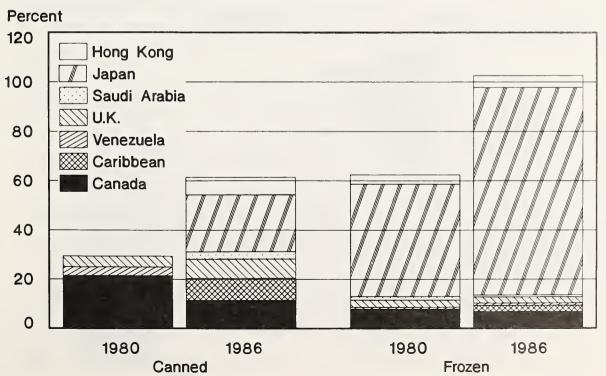
% change from previous year



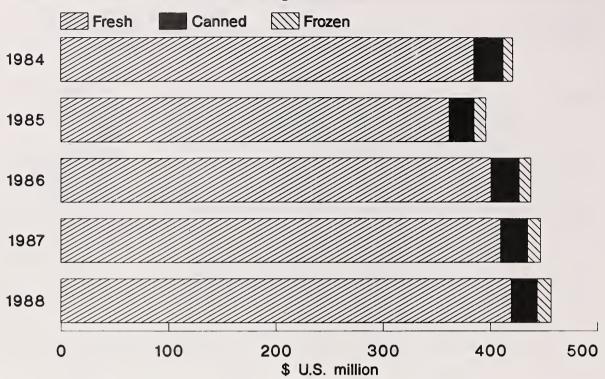
#### Destination of U.S. Fresh Vegetable Exports



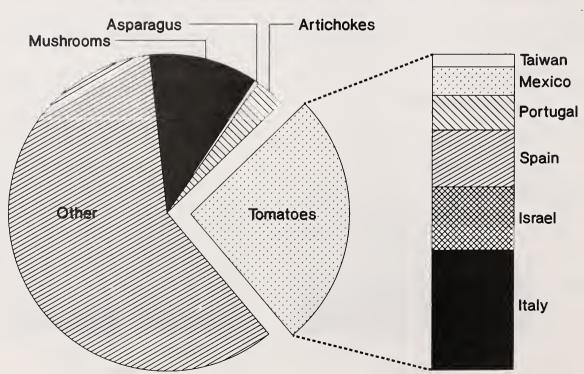
# Destination of U.S. Processed Vegetable Exports



## Canadian Imports of U.S. Vegetables

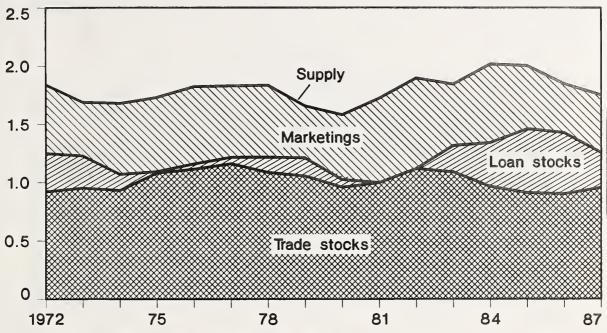


# Share of Processed Vegetable Imports, 1986



#### **Burley Tobacco Supply**

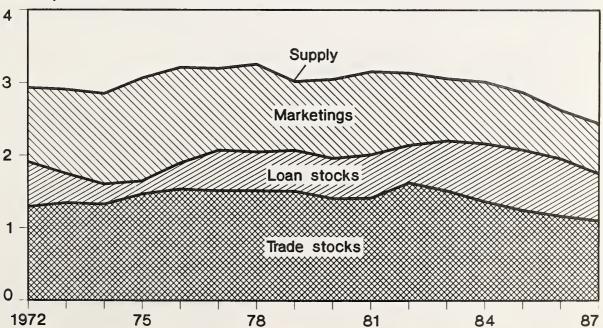
#### Billion pounds



Trade stocks include manufacturers' and dealers'. 1987 marketings preliminary.

## Flue-Cured Tobacco Supply

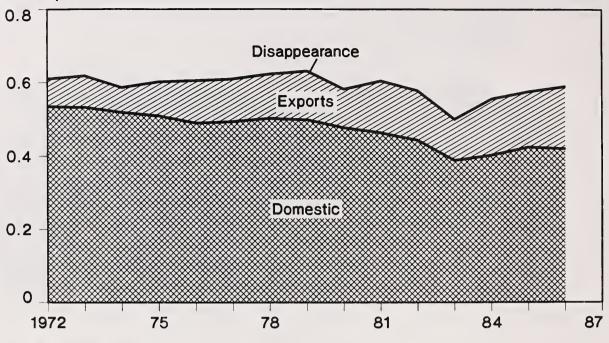
#### Billion pounds



Trade stocks include manufacturers' and dealers'. 1987 marketings preliminary.

# **Burley Use**

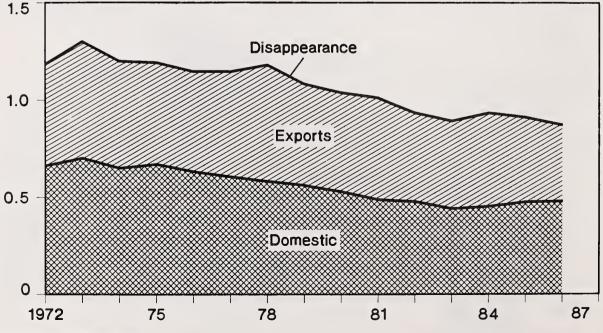
Billion pounds



Crop year beginning October 1.

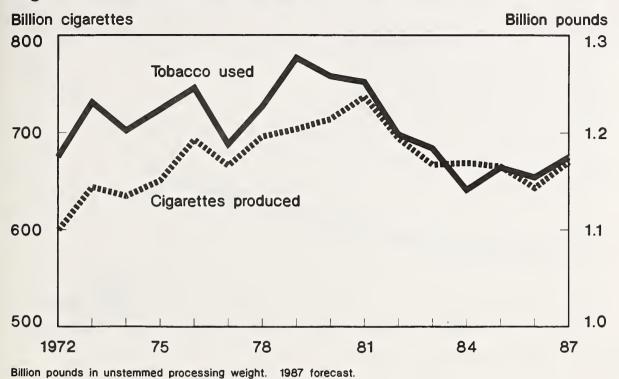
#### Flue-Cured Use

Billion pounds

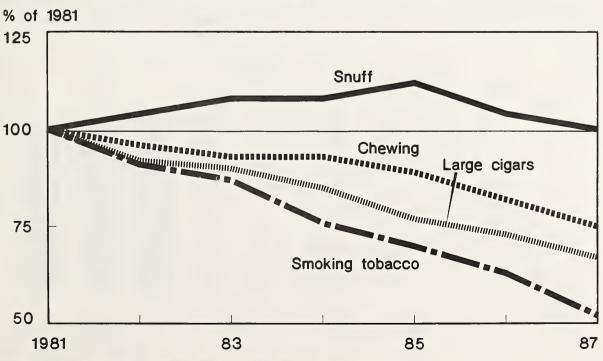


Crop year beginning July 1.

#### Cigarettes Produced and Tobacco Used

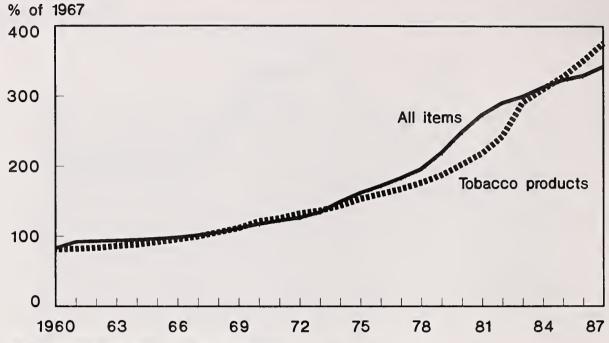


#### Per Capita Consumption of Tobacco Products



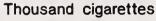
1987 preliminary. Per male 18 and over, except snuff per person 18 and over.

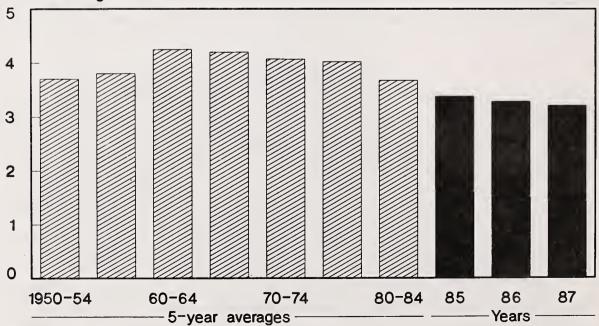
#### Consumer Price Index and Tobacco Prices



BLS Data. Beginning 1978 for all urban consumers. Weighted average of all tobacco product prices. Latest year estimated.

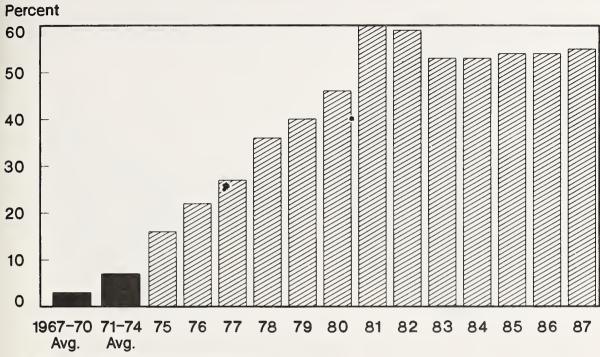
#### Per Capita Cigarette Consumption





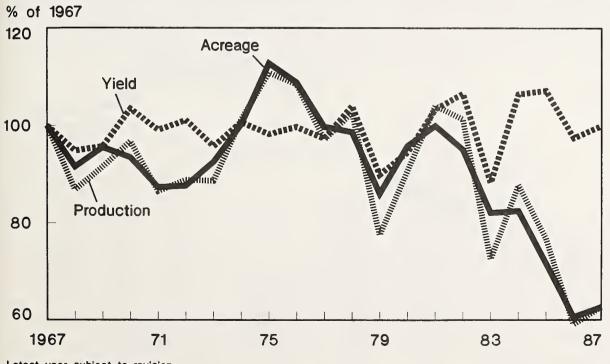
1987 projected. Persons 18 and over.

## Cigarettes: Low-Tar Market Share\*



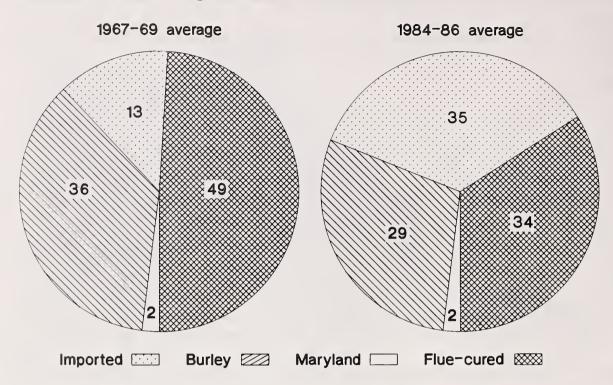
• 15 mg. 'tar' or less. Latest year estimated.

## Tobacco Acreage, Yield, and Production

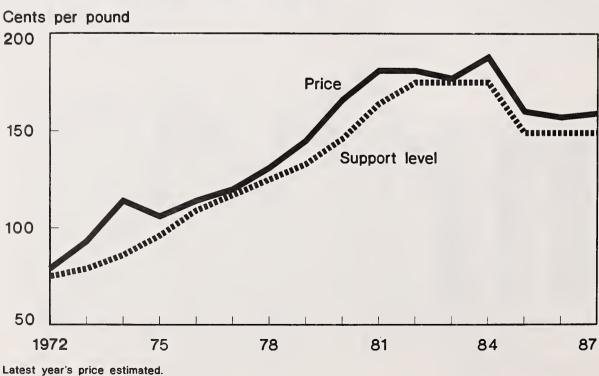


Latest year subject to revision.

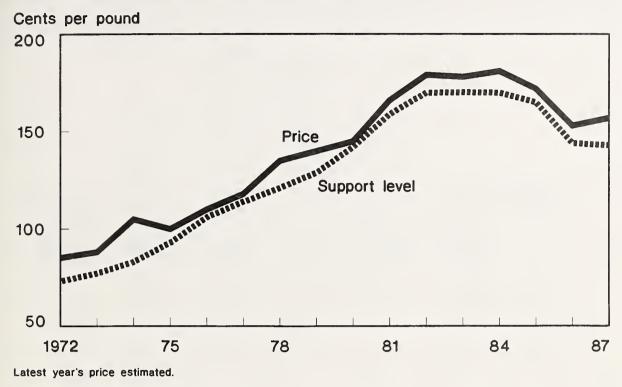
## **Tobacco Use in Cigarettes**



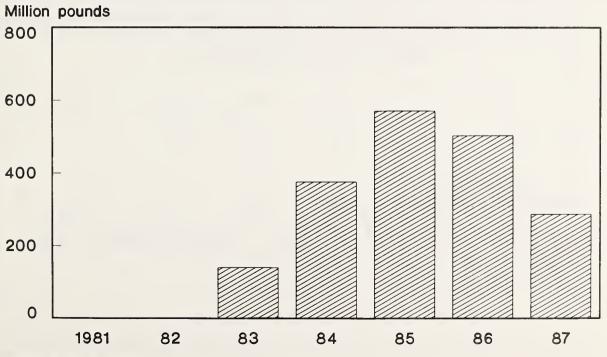
# **Burley Price and Support Levels**



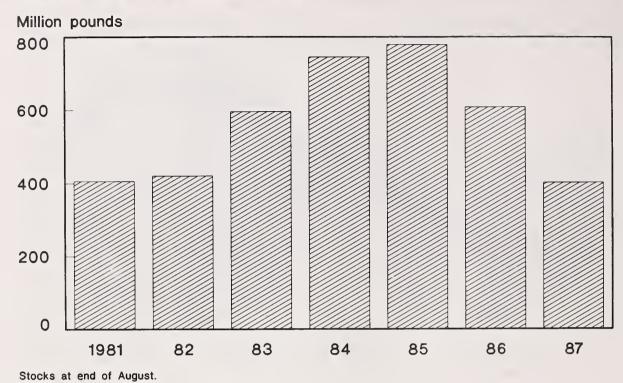
## Flue-Cured Price and Support Levels



## **Unsold Burley Loan Stocks**



#### **Unsold Flue-Cured Loan Stocks**



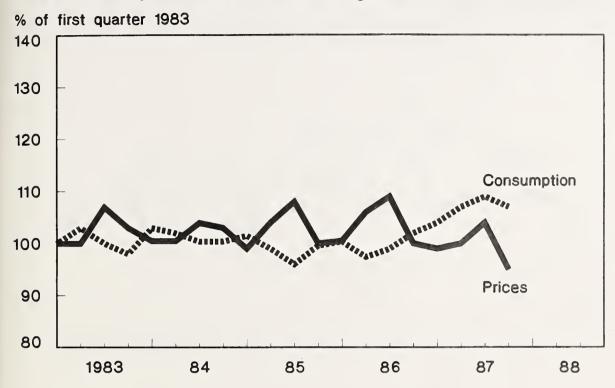


Ralph L. Parlett, Jr.

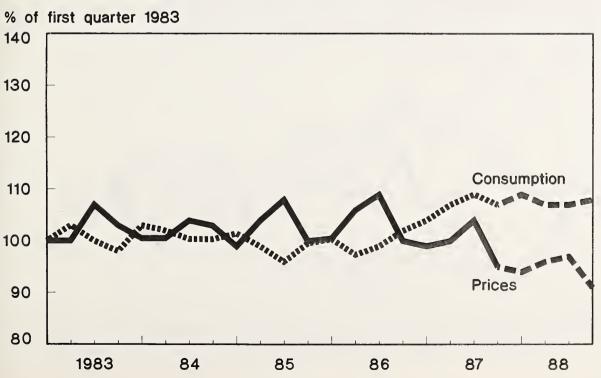
#### **Market Basket Statistics**

	1985	1986	1987	1988
		Percent	change	
Farm value	-6.8	-1.9	3.0	-2 to 0
Farm to retail price spread	5.2	3.1	5.2	3 to 5
Retail cost	1.1	1.5	4.5	2 to 4

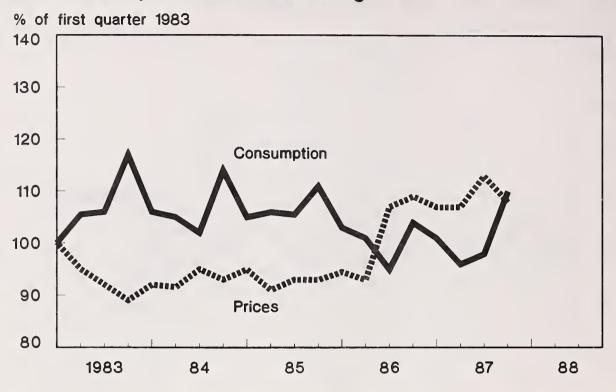
# Beef Consumption and Prices through 1987



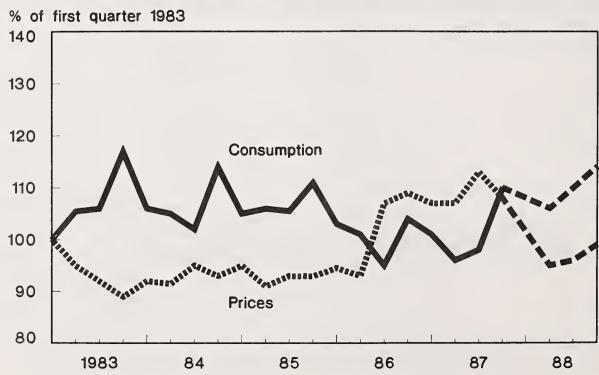
# Beef Consumption and Prices through 1988



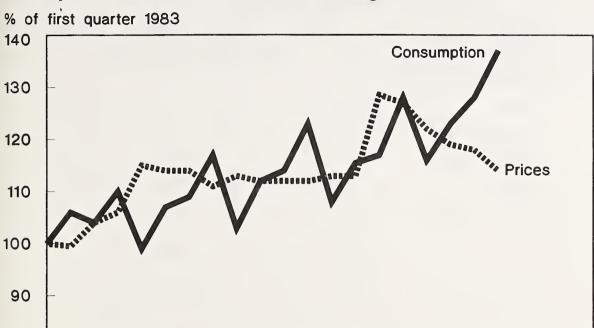
#### Pork Consumption and Prices through 1987



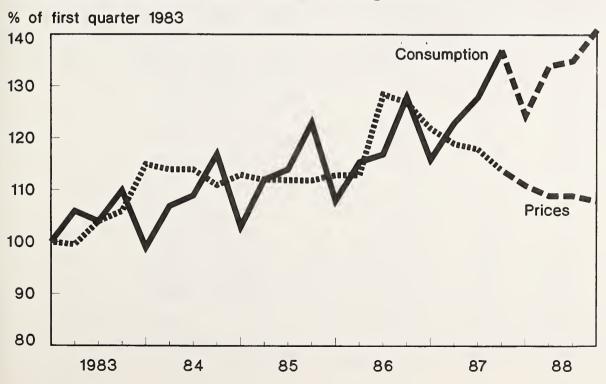
# Pork Consumption and Prices through 1988



## Poultry Consumption and Prices through 1987



## Poultry Consumption and Prices through 1988



# Price Changes for Major Food Marketing Inputs

Category	1985	1986	1987P	1988	F
	, /	verage change	from previous y	ear	
Food Marketing Costs	1	-1	2	2 to	4
Labor	0	-1	2	1 to	3
Packaging	0	2	4	3 to	5
Transportation	1	0	-2	1 to	3
Energy	-2	-16	-3	2 to	4

P = Preliminary F = Forecast

# **Selected Food Price Indicators**

CPI	1985	1986	1987	1988
		Percen	change	
Food	2.3	3.2	4.1	2 to 4
Food at home	1.4	2.9	4.1	2 to 4
Food away from home	4.0	3.9	4.2	3 to 5



## **Farm Production Expenses**

Item	1985	1986	1987F	1988 F
		Percent change	from a year ear	lier
Farm origin items	-7.4	-5.2	3	3
Manufactured inputs	-3.2	-18.2	-8	4
Interest charges	-11.5	-9.5	-14	-5
Repairs, labor, machine hire	.2	-1.4	3	3
Other items <sup>1</sup>	-7.0	-9.3	-5	-1
Total expenses	-6.3	-8.7	-4	1
Cash expenses	-5.8	-8.7	-3	2

F = Forecast.

1/ Includes depreciation, taxes, net rent, and others.

#### **Cash Receipts**

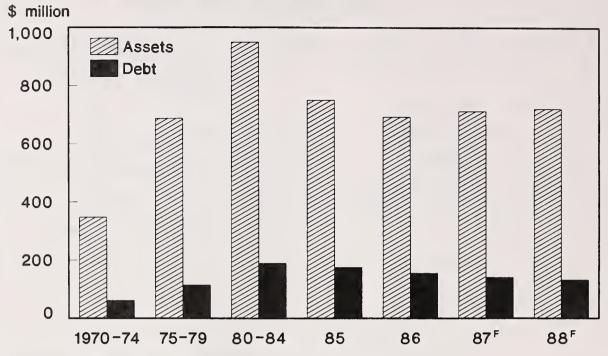
	1985 / 86 average	1987F	1988 F
Crops <sup>1</sup>	63.6	58	62
Food grains	5.9	5	6
Feed grains & hay	17.8	11	13
Oil crops	10.8	10	11
Fruit & vegetables	15.6	17	16
Other crops	13.7	15	16
Livestock	71.5	74	71
Meat animals	39.1	43	41
Poultry & eggs	12.7	12	11
Dairy products	17.8	18	17
Other livestock	1.9	2	2
Total	135	132	130 -134

F = Forecast.

1/ Includes net CCC loans.

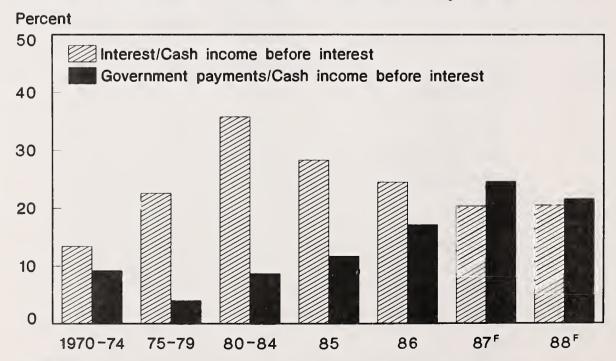
Totals may not add due to rounding.

#### Farm Sector Debt and Assets



F = Forecast. Excludes operator households.

#### Trends in Interest and Direct Government Payments



F = Forecast.

# Balance Sheet of the Farming Sector<sup>1</sup>

	Current dollars			Deflate	(1982) <sup>2</sup>	
Year	Assets -	Liabilities		Assets	Liabilities	Equity
Billion dollars				Billion dollars		
1975-79	691.8	116.8		1005.0	169.7	835.3
1980-84	959.7	192.8		973.1	195.5	777.6
1985-86	720.7	165.1		638.9	146.4	492.6
1987F	712	141		607	120	487
1988 F	715	130		593	108	485
1988 F	705-720	125-135		585-600	100 -115	480 - 495

F=Forecast. 1/ Excludes operator households. 2/ Deflated by the GNP implicit price deflator, 1982.

# Returns to Assets and Equity

	Returns to assets			Returns to assets			Re	turns to equi	ty
Year	Income	Real capital gains	Total	Inc	ome	Real capital gains	Total		
		Percent				Percent			
1974 - 79	2.7	7.7	10.4	1	.5	9.3	10.7		
1980-84	2.0	-5.2	-3.2	-	1	-5.1	-5.2		
1985-86	4.8	-5.9	-1.1	3	3.4	-5.9	-2.5		
1987F	5.4	0.0	5.5	4	1.4	0.0	4.4		
1988 F	4.9	-3.0	1.9	3	3.6	-3.0	.6		

F=Forecast. Excludes operator households. Totals may not add due to rounding.

Farm Sector Income

	С	Current income			Deflated income (\$1982) <sup>1</sup>		
Year	Net cash	Net farm	Off-farm	Net cash	Net farm	Off-farm	
		Billion dollars	1, 1 <sub>0</sub> 1		Billion dollars		
1975-79	30.8	23.6	28.0	45.4	34.9	41.2	
1980-84	36.2	22.2	36.4	36.9	22.6	37.6	
1985-86							
1987F	57	45	47	49	39	40	
1988F	50-55	40-45	48-50	41-45	34-38	41-44	

# **Current and Constant Dollar Commodity Prices**

Price / Years	Corn (bu.)	Wheat (bu.)	Soybeans (bu.)	Cotton (lb.)	Cattle (lb.)	Hogs (lb.)
Current:			Dollars	per unit		
Avg. price, 1973-76	2.57	3.55	6.01	.51	.36	.41
Avg. price, 1983-86	2.57	3.20	6.01	.58	.55	.48
Estimated price, 1987 <sup>1</sup>	1.55	2.50	4.89	.60	.61	.52
Ratio of average prices <sup>2</sup> :			R	atio		
1983-86 / 1973-76 Constant	.52	.47	.52	.59	.79	.61
1987/1973-76 Constant	.34	.39	.46	.67	.94	.72

<sup>1/ 11</sup> month average (Jan. - Nov.). 2/ Not official USDA estimates.

F=Forecast. 1/ Deflated by the GNP implicit price deflator, 1982=100.

# Federal Reserve Bank Surveys of Land Values

	19	86			1987	
	3rd quarter	4th quarter		1st quarter	2nd quarter	3rd quarter
		-	Percent			
Chicago	-4.0	-1.4		.4	1.8	3.3
Dallas <sup>1</sup>	-4.5	-2.1		-1.9	-1.0	-2.3
Kansas City	-2.9	-4.1		.5	2.2	2.0
Richmond	.3	-2.3		.9	1.6	9.4
Minneapolis	-4.4	-4.7		2.7	4.5	-2.8

<sup>1/</sup> Values generally represent non-irrigated cropland.

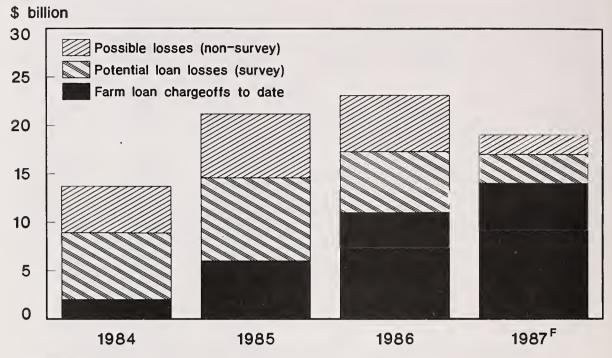
## Potential Loan Losses for Selected State Groups

		Farms with potential loan losses		of stress*
	1985	1987	1985	1987
Improvement				
Mountain States	7,800	5,900	16	14
CA, OR, WA	6,000	4,200	16	10
NJ, NY, PA	4,600	2,900	11	8
KS, NE, ND, SD	21,100	15,400	19	16
IL, IN, MI, OH	17,400	12,500	16	13
Stabilization				
IA, MN, WI, MO	37,000	36,000	21	22
Deterioration				
AR, LA, OK, TX	12,600	14,400	16	22
AL, GA, MS, NC	8,800	7,600	18	21
Above regions	108,200	93,600	18.4	17
United States	122,500	104,100	17.0	16

<sup>•</sup> Share of farms with potential loan losses.

Three-quarter moving average.

#### **Estimated and Potential Loan Losses**



F = Forecast.

Share of Commercial Farms and Commercial Farm Debt
That Is Financially Stressed\*

	Commercial farms			Commercial farm del		m debt	
Approach	1984	1985	1986		1984	1985	1986
				Perc	ent		
Net cash household income/Solvency	19	17	16		42	37	35
Net cash farm income/Solvency	11	10	9		27	23	20
Net farm income/Solvency			13				30
Returns, equity, and solvency	17	14	12		33	26	21
Debt service and solvency	17	16	16		39	35	33

<sup>•</sup> Identified by alternative approaches.

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